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STUDY OF ALERTING AND LOCATING TECHNIQUES AND THEIR IMPACT (SAL--ETC(U)
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**STUDY OF ALERTING AND LOCATING
TECHNIQUES AND THEIR IMPACT
(SALTTI).**

HIGH SEAS COST-BENEFIT ANALYSES.
VOLUME 3: COMPUTER DATA.

11 Dec 76 12 1618

Prepared for

UNITED STATES COAST GUARD

400 7th Street, S. W.
Washington, D. C. 20591

by

COMPUTER SCIENCES CORPORATION

Falls Church, VA

MAR 30 1978

DEPARTMENT OF TRANSPORTATION • UNITED STATES COAST GUARD

DECEMBER 1976

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VOLUME 3

TABLE OF CONTENTS

APPENDIX C	SYSTEM DATA SUMMARIES AND COST-BENEFIT RESULTS
APPENDIX D	SYSTEMS RANK ORDERING

ADDITIONAL IN	
NTIS	White Section <input checked="" type="checkbox"/>
DDC	Unit Section <input type="checkbox"/>
UNANNOUNCED	
JUSTIFICATION.....	
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DISTRIBUTION/AVAILABILITY CODES	
DIST.	AVAIL. SUB/ON SPECIAL
A	23

APPENDIX C - SYSTEM DATA SUMMARIES AND COST-BENEFIT RESULTS

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INDEX TO
SYSTEMS DATA SUMMARIES AND COST-BENEFIT RESULTS

<u>SALTTI NO.</u>	<u>SYSTEM</u>	<u>PAGE</u>
1B1A	Installed 500 kHz	C-1
1B1B	Installed 2182 kHz	C-2
1B1C	Installed L-Band SATCOM	C-3
1B1D	Installed HF	C-4
1B2A	EPIRB 2182 kHz	C-5
1B2B	EPIRB 121.5/243 MHz, Aircraft Overflight	C-6
1B2C	EPIRB 121.5/243 MHz, Orbiting Satellite	C-7
1B2D	EPIRB 406 MHz Geostationary Satellite	C-9
1B3A	Survival 500 kHz	C-11
1B3B	Survival 2182 kHz	C-12
1B3C	Survival 8364 kHz	C-13
1B4A	Combination Survival Transmitting 500, 2182 and 8364 kHz	C-14
2B1A	Installed 500 kHz, Location Reported	C-15
2B1B	Installed 2182 kHz, Location Reported	C-16
2B1C	Installed L-Band, Location Reported	C-17
2B1D	Installed HF, Location Reported	C-8
2B2A	Installed 500 kHz, Shore DF Locates	C-19
2B2B	Installed HF, Shore DF Locates	C-20
2B3A	Installed 500 kHz, Aircraft DF/Homing	C-21
2B3B	Installed 2182 kHz, Aircraft DF/Homing	C-22
2B3C	Installed 156.8 MHz, Aircraft DF/Homing	C-23
2B3D	Installed HF, Aircraft DF/Homing	C-24

INDEX (Cont'd)

<u>SALTTI NO.</u>	<u>SYSTEM</u>	<u>PAGE</u>
2B4A	Installed 500 kHz, Ship DF/Homing	C-25
2B4B	Installed 2182 kHz, Ship DF/Homing	C-26
2B4C	Installed 156.8 MHz Ship DF/Homing	C-27
2B4D	Installed HF, Ship DF/Homing	C-28
2B5A	EPIRB VHF-FM, Aircraft DF/Homing	C-29
2B5B	EPIRB 2182 kHz, Aircraft DF/Homing	C-30
2B5C	EPIRB UHF-AM, Aircraft DF/Homing	C-31
2B5D	EPIRB 121.5/243 MHz, Aircraft DF/Homing	C-32
2B5E	EPIRB VHF-AM, Aircraft DF/Homing	C-33
2B6A	EPIRB VHF-FM, Ship DF/Homing	C-34
2B6B	EPIRB 2182 kHz, Ship DF/Homing	C-35
2B6C	EPIRB UHF-AM, Ship DF/Homing	C-36
2B6D	EPIRB 121.5/243 MHz, Ship DF/Homing	C-37
2B6E	EPIRB VHF-AM, Ship DF/Homing	C-38
2B7A	EPIRB 121.5/243 MHz, Doppler by Orbiting Satellite	C-39
2B7B	EPIRB 406 MHz, retransmit NAVAID to Geostationary Satellite	C-41
2B7C	EPIRB 406 MHz, retransmit NAVAID to Orbiting Satellite	C-43
2B8A	Survival 500 kHz, Shore DF	C-45
2B8B	Survival 8364 kHz, Shore DF	C-46
2B9A	Survival 500 kHz, Aircraft DF/Homing	C-47
2B9B	Survival 2182 kHz, Aircraft DF/Homing	C-48
2B9C	Survival 8364 kHz, Aircraft DF/Homing	C-49

INDEX (Cont'd)

<u>SALTTI NO.</u>	<u>SYSTEM</u>	<u>PAGE</u>
2B10A	Survival 500 kHz, Ship DF/Homing	C-50
2B10B	Survival 2182 kHz, Ship DF/Homing	C-51
2B10C	Survival 8364 kHz, Ship DF/Homing	C-52
3B1A	Installed 500 kHz, Alerts and Reports Location	C-53
3B1B	Installed 2182 kHz, Alerts and Reports Location	C-54
3B1C	Installed L-Band, Alerts and Reports Location	C-55
3B1D	Installed HF, Alerts and Reports Location	C-56
3B2A	Installed 500 kHz Alerts, Shore DF Locates	C-57
3B2B	Installed HF Alerts, Shore DF Locates	C-58
3B3A	Installed 500 kHz Alerts, Shore Aircraft DF/ Homing	C-59
3B3B	Installed 2182 kHz Alerts, Shore Aircraft DF/Homing	C-60
3B3C	Installed HF Alerts, Aircraft DF/Homing	C-61
3B4A	Installed 500 kHz Alerts, Shore Ship DF/Homing	C-62
3B4B	Installed 2182 kHz Alerts, Shore Ship DF/Homing	C-63
3B4C	Installed HF Alerts, Ship DF/Homing	C-64
3B5A	EPIRB 121.5/243 MHz Alerts by Aircraft Over- flight, Aircraft DF/Homing	C-65
3B5B	EPIRB 2182 Alerts, Aircraft DF/Homing	C-66
3B5C	EPIRB Combination Alerts by Satellite and is Located by 2182 kHz DF/Homing	C-67
3B5D	EPIRB Combination Alerts by Satellite, Located by 121.5/243	C-69
3B5E	EPIRB Combination Alerts by Satellite, Located by VHF-FM DF/Homing	C-71

INDEX (Cont'd)

<u>SALTTI NO.</u>	<u>SYSTEM</u>	<u>PAGE</u>
3B5F	EPIRB Combination Alerts by Satellite, Located by UHF-AM DF/Homing	C-73
3B5G	EPIRB Combination Alerts by Satellite, Located by UHF-AM DF/Homing	C-75
3B6A	EPIRB 121.5/243 MHz Alerts by Overflight, Located Ship DF/Homing	C-77
3B6B	EPIRB 2182 Alerts Ship in Range, Located Ship DF/Homing	C-78
3B6C	EPIRB Combination Alerts by Satellite, Located by 2182 kHz DF/Homing	C-79
3B6D	EPIRB Combination Alerts by Satellite, Located by 121.5/243 MHz DF/Homing	C-81
3B6E	EPIRB Combination Alerts by Satellite, Located by VHF-FM DF/Homing	C-83
3B6F	EPIRB Combination Alerts by Satellite, Located by UHF-AM DF/Homing	C-85
3B6G	EPIRB Combination Alerts by Satellite, Located by VHF-AM DF/Homing	C-87
3B7A	Survival 500 kHz Alerts, Shore DF Locates	C-89
3B7B	Survival 8364 kHz Alerts, Shore DF Locates	C-90
3B8A	Survival 500 kHz Alerts, Aircraft DF Locates	C-91
3B8B	Survival 2182 kHz Alerts, Aircraft DF Locates	C-92
3B8C	Survival 8364 kHz Alerts, Aircraft DF Locates	C-93
3B9A	Survival 500 kHz Alerts, Ship DF Locates	C-94
3B9B	Survival 2182 kHz Alerts, Ship DF Locates	C-95
3B9C	Survival 8364 kHz Alerts, Ship DF Locates	C-96
3B10A	EPIRB 121.5/243 or 406 MHz Alerts by Satellite, Doppler by Orbiting Satellite	C-97

1 1 B 1A

INST 500 KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 552000. ANNUAL O&M \$ 767200.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 13194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: ALERTING 0.4999

SHORE: ES=0.990 ET=0.996 EA=0.995

EP=GEOGRAPHIC

PASS SHIP: ES=0.990 ET=1.000 EA=0.995

EP=1.000 ALERTING RANGE=270 N.M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985 TO 27022.

100. PERCENT

FISHING VESSELS: FROM 0 TO 0.

0. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)

A C & I

PV O & E

TOTAL

GOVT:	\$ 502.	\$ 4714.	\$ 5216.
ATL	\$ 279.	\$ 2619.	\$ 2898.
PAC	\$ 223.	\$ 2095.	\$ 2318.
SAR		\$ 13051.	\$ 13051.
ATL		\$ 5778.	
PAC		\$ 7273.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 363446.	\$ 244842.	\$ 608288.
ATL	\$ 216383.	\$ 143603.	\$ 359986.
PAC	\$ 147063.	\$ 101239.	\$ 248302.
TOTAL: WO/SAR	\$ 363446.	\$ 231791.	\$ 595237.
ATL	\$ 216383.	\$ 137825.	\$ 354208.
PAC	\$ 147063.	\$ 93966.	\$ 241029.

BENEFITS: (\$000)

FATALITIES

PROP DAMAGE

TOTAL

COMM:	\$ 11736.	\$ 14562.	\$ 26298.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4773.	\$ 5922.	\$ 10696.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11736.	\$ 14562.	\$ 26298.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4773.	\$ 5922.	\$ 10696.

MEASURES OF EFFECTIVENESS

BENEFIT COST RATIO:

BENEFITS MINUS COST:

COMM:	0.0446	\$ -563723.
ATL	0.0444	\$ -335708.
PAC	0.0448	\$ -228015.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0432	\$ -581990.
ATL	0.0433	\$ -344383.
PAC	0.0431	\$ -237607.
TOTAL: WO/SAR	0.0442	\$ -568939.
ATL	0.0440	\$ -338605.
PAC	0.0444	\$ -230334.

2 1 B 1B

INST 2182 KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 821000. ANNUAL O&M \$ 3677000.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: ALERTING 0.4515

SHORE: ES=0.907 ET=0.996 EA=0.995

EP=GEOGRAPHIC

PASS SHIP: ES=0.907 ET=1.000 EA=0.995

EP=1.000 ALERTING RANGE= 70. N. M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

10. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

90. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 746.	\$ 22594.	\$ 23340.
ATL	\$ 415.	\$ 12552.	\$ 12967.
PAC	\$ 332.	\$ 10042.	\$ 10373.
SAR		\$ 13189.	\$ 13189.
ATL		\$ 5841.	
PAC		\$ 7347.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 46925.	\$ 65256.	\$ 112181.
ATL	\$ 28149.	\$ 36103.	\$ 64253.
PAC	\$ 18775.	\$ 29153.	\$ 47928.
TOTAL: WD/SAR	\$ 46925.	\$ 52068.	\$ 98992.
ATL	\$ 28149.	\$ 30262.	\$ 58411.
PAC	\$ 18775.	\$ 21806.	\$ 40581.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 11478.	\$ 14241.	\$ 25719.
ATL	\$ 6952.	\$ 8626.	\$ 15578.
PAC	\$ 4526.	\$ 5615.	\$ 10141.
FISH:	\$ 5052.	\$ 7879.	\$ 12931.
ATL	\$ 3181.	\$ 4962.	\$ 8143.
PAC	\$ 1870.	\$ 2917.	\$ 4787.
TOTAL:	\$ 16529.	\$ 22120.	\$ 38650.
ATL	\$ 10134.	\$ 13588.	\$ 23722.
PAC	\$ 6396.	\$ 8532.	\$ 14928.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4899	\$ -26782.
ATL	0.4983	\$ -15682.
PAC	0.4774	\$ -11100.
FISH:	0.5585	\$ -10220.
ATL	0.5741	\$ -6041.
PAC	0.5339	\$ -4179.
TOTAL: W/SAR	0.3445	\$ -73531.
ATL	0.3692	\$ -40531.
PAC	0.3115	\$ -33000.
TOTAL: WD/SAR	0.3904	\$ -60342.
ATL	0.4061	\$ -34690.
PAC	0.3679	\$ -25653.

3 1 B 1C

INST L-BAND SATCOM

ALERTING ONLY

GOVT COST: AC&I \$ 0. ANNUAL O&M \$ TARIFF SERVICE

USER COST: UNIT COST \$ 48300. QUANTITY OF 200. LEARNING FACTOR 0.82
 PURCHASE PRICE: FROM \$ 26322. TO \$ 23792. NUMBER OF PRODUCERS 3.

SYSTEM EFFECTIVENESS: ALERTING 0.4950

SHORE: ES=0.999 ET=0.996 EA=0.995

EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:		CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 5000. TO 7117.	0. PERCENT	
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT	
AIRCRAFT MONITOR:	NO	0. PERCENT	

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 0.	\$ 117.	\$ 117.
ATL	\$ 0.	\$ 65.	\$ 65.
PAC	\$ 0.	\$ 52.	\$ 52.
SAR		\$ 12670.	\$ 12670.
ATL		\$ 5557.	
PAC		\$ 7113.	
COMM:	\$ 149671.	\$ 93642.	\$ 243314.
ATL	\$ 89117.	\$ 55756.	\$ 144874.
PAC	\$ 60554.	\$ 37886.	\$ 98440.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 149671.	\$ 106429.	\$ 256100.
ATL	\$ 89117.	\$ 61378.	\$ 150495.
PAC	\$ 60554.	\$ 45051.	\$ 105605.
TOTAL: WO/SAR	\$ 149671.	\$ 93759.	\$ 243430.
ATL	\$ 89117.	\$ 55821.	\$ 144939.
PAC	\$ 60554.	\$ 37938.	\$ 98492.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 3060.	\$ 3797.	\$ 6857.
ATL	\$ 1816.	\$ 2253.	\$ 4068.
PAC	\$ 1245.	\$ 1544.	\$ 2789.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 3060.	\$ 3797.	\$ 6857.
ATL	\$ 1816.	\$ 2253.	\$ 4068.
PAC	\$ 1245.	\$ 1544.	\$ 2789.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0282	\$ -236457.
ATL	0.0281	\$ -140806.
PAC	0.0283	\$ -95651.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0268	\$ -249243.
ATL	0.0270	\$ -146427.
PAC	0.0264	\$ -102816.
TOTAL: WO/SAR	0.0282	\$ -236573.
ATL	0.0281	\$ -140870.
PAC	0.0283	\$ -95703.

4 1 B 10

INST HF

ALERTING ONLY

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: ALERTING 0.4394

SHORE: ES=0.968 ET=0.996 EA=0.995

EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3273.	\$ 5168.	\$ 8440.
ATL	\$ 1818.	\$ 2871.	\$ 4689.
PAC	\$ 1455.	\$ 2297.	\$ 3751.
SAR		\$ 15131.	\$ 15131.
ATL		\$ 6537.	
PAC		\$ 8594.	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 85183.	\$ 71546.	\$ 156729.
ATL	\$ 50589.	\$ 39922.	\$ 90511.
PAC	\$ 34594.	\$ 31624.	\$ 66218.
TOTAL: WO/SAR	\$ 85183.	\$ 56415.	\$ 141598.
ATL	\$ 50589.	\$ 33384.	\$ 83973.
PAC	\$ 34594.	\$ 23030.	\$ 57624.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10680.	\$ 13251.	\$ 23931.
ATL	\$ 6405.	\$ 7947.	\$ 14353.
PAC	\$ 4275.	\$ 5304.	\$ 9579.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 10680.	\$ 13251.	\$ 23931.
ATL	\$ 6405.	\$ 7947.	\$ 14353.
PAC	\$ 4275.	\$ 5304.	\$ 9579.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.1797	\$ -109226.
ATL	0.1810	\$ -64932.
PAC	0.1778	\$ -44294.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1527	\$ -132797.
ATL	0.1586	\$ -76158.
PAC	0.1447	\$ -56639.
TOTAL: WO/SAR	0.1690	\$ -117666.
ATL	0.1709	\$ -69621.
PAC	0.1662	\$ -48045.

5 1 B 2A

EP1RB 2182 KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 821000. ANNUAL O&M \$ 3677000.

USER COST: UNIT COST \$ 350. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 338. TO \$ 323. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: ALERTING 0.3384

SHORE: ES=0.944 ET=0.996 EA=0.995

EP=0.000

PASS SHIP: ES=0.944 ET=1.000 EA=0.995

EP=1.000 ALERTING RANGE= 16 N.M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

10. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

90. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 746.	\$ 22594.	\$ 23340.
ATL	\$ 415.	\$ 12552.	\$ 12967.
PAC	\$ 332.	\$ 10042.	\$ 10373.
SAR		\$ 22303.	\$ 22303.
ATL		\$ 7277.	
PAC		\$ 15026.	
COMM:	\$ 7340.	\$ 4580.	\$ 11919.
ATL	\$ 4370.	\$ 2727.	\$ 7097.
PAC	\$ 2969.	\$ 1853.	\$ 4822.
FISH:	\$ 3143.	\$ 2108.	\$ 5251.
ATL	\$ 1926.	\$ 1291.	\$ 3217.
PAC	\$ 1217.	\$ 816.	\$ 2034.
TOTAL: W/SAR	\$ 11229.	\$ 51584.	\$ 62814.
ATL	\$ 6711.	\$ 23847.	\$ 30558.
PAC	\$ 4519.	\$ 27737.	\$ 32256.
TOTAL: WO/SAR	\$ 11229.	\$ 29281.	\$ 40510.
ATL	\$ 6711.	\$ 16570.	\$ 23281.
PAC	\$ 4519.	\$ 12711.	\$ 17229.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 9536.	\$ 11831.	\$ 21367.
ATL	\$ 6322.	\$ 7843.	\$ 14165.
PAC	\$ 3214.	\$ 3988.	\$ 7202.
FISH:	\$ 4889.	\$ 7626.	\$ 12515.
ATL	\$ 3157.	\$ 4924.	\$ 8080.
PAC	\$ 1732.	\$ 2702.	\$ 4435.
TOTAL:	\$ 14425.	\$ 19457.	\$ 33882.
ATL	\$ 9478.	\$ 12767.	\$ 22245.
PAC	\$ 4947.	\$ 6690.	\$ 11637.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.7926	\$ 9448.
ATL	1.9959	\$ 7063.
PAC	1.4935	\$ 2380.
FISH:	2.3834	\$ 7264.
ATL	2.5116	\$ 4863.
PAC	2.1805	\$ 2401.
TOTAL: W/SAR	0.5394	\$ -28932.
ATL	0.7280	\$ -8312.
PAC	0.3608	\$ -20619.
TOTAL: WO/SAR	0.8364	\$ -6628.
ATL	0.9555	\$ -1035.
PAC	0.6754	\$ -5593.

6 1 B 2B

EPIRB 121.5/243A/CO

ALERTING ONLY

GOVT COST: AC&I \$ 0. ANNUAL O&M \$ 4060000.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 193. TO \$ 184. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: ALERTING 0.2405

SHORE: ES=0.980 ET=0.996 EA=0.995

EP=0.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995

EP=1.000

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

0. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

0. PERCENT

AIRCRAFT MONITOR: YES

100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 0.	\$ 24947.	\$ 24947.
ATL	\$ 0.	\$ 13859.	\$ 13859.
PAC	\$ 0.	\$ 11088.	\$ 11088.
SAR		\$ 45569.	\$ 45569.
ATL		\$ 17913.	
PAC		\$ 27656.	
COMM:	\$ 4194.	\$ 2617.	\$ 6811.
ATL	\$ 2497.	\$ 1558.	\$ 4055.
PAC	\$ 1697.	\$ 1059.	\$ 2756.
FISH:	\$ 1796.	\$ 1204.	\$ 3001.
ATL	\$ 1100.	\$ 738.	\$ 1838.
PAC	\$ 696.	\$ 466.	\$ 1162.
TOTAL: W/SAR	\$ 5990.	\$ 74337.	\$ 80327.
ATL	\$ 3598.	\$ 34068.	\$ 37666.
PAC	\$ 2392.	\$ 40269.	\$ 42661.
TOTAL: WO/SAR	\$ 5990.	\$ 28768.	\$ 34759.
ATL	\$ 3598.	\$ 16156.	\$ 19753.
PAC	\$ 2392.	\$ 12613.	\$ 15005.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 7839.	\$ 9726.	\$ 17565.
ATL	\$ 5522.	\$ 6851.	\$ 12373.
PAC	\$ 2317.	\$ 2875.	\$ 5192.
FISH:	\$ 3680.	\$ 5740.	\$ 9420.
ATL	\$ 2583.	\$ 4029.	\$ 6612.
PAC	\$ 1097.	\$ 1711.	\$ 2807.
TOTAL:	\$ 11519.	\$ 15466.	\$ 26984.
ATL	\$ 8105.	\$ 10880.	\$ 18985.
PAC	\$ 3414.	\$ 4585.	\$ 7999.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.5788	\$ 10753.
ATL	3.0508	\$ 8317.
PAC	1.8841	\$ 2436.
FISH:	3.1394	\$ 6419.
ATL	3.5969	\$ 4774.
PAC	2.4156	\$ 1645.
TOTAL: W/SAR	0.3359	\$ -53343.
ATL	0.5040	\$ -18681.
PAC	0.1875	\$ -34662.
TOTAL: WO/SAR	0.7763	\$ -7774.
ATL	0.9611	\$ -768.
PAC	0.5331	\$ -7006.

7 1 B 203 EPIRB121.5/243 OS

ALERTING ONLY

GOVT COST: AC&I \$ 25800000. ANNUAL O&M \$ 267000.

USER COST: UNIT COST \$ 250. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 241. TO \$ 230. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: ALERTING 0.4927

SHORE: ES=0.980 ET=1.000 EA=0.995 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.750 ET=1.000 EA=0.995 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 23455.	\$ 1641.	\$ 25095.
ATL	\$ 13030.	\$ 911.	\$ 13942.
PAC	\$ 10424.	\$ 729.	\$ 11153.
SAR		\$ 14034.	\$ 14034.
ATL		\$ 6551.	
PAC		\$ 7483.	
COMM:	\$ 5243.	\$ 3271.	\$ 8514.
ATL	\$ 3122.	\$ 1948.	\$ 5069.
PAC	\$ 2121.	\$ 1324.	\$ 3445.
FISH:	\$ 2245.	\$ 1506.	\$ 3751.
ATL	\$ 1376.	\$ 922.	\$ 2298.
PAC	\$ 870.	\$ 583.	\$ 1453.
TOTAL: W/SAR	\$ 30942.	\$ 20452.	\$ 51394.
ATL	\$ 17527.	\$ 10333.	\$ 27860.
PAC	\$ 13415.	\$ 10119.	\$ 23534.
TOTAL: WO/SAR	\$ 30942.	\$ 6417.	\$ 37360.
ATL	\$ 17527.	\$ 3782.	\$ 21309.
PAC	\$ 13415.	\$ 2636.	\$ 16051.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11620.	\$ 14418.	\$ 26038.
ATL	\$ 6917.	\$ 8583.	\$ 15500.
PAC	\$ 4703.	\$ 5835.	\$ 10539.
FISH:	\$ 5031.	\$ 7847.	\$ 12878.
ATL	\$ 3162.	\$ 4932.	\$ 8093.
PAC	\$ 1869.	\$ 2915.	\$ 4784.
TOTAL:	\$ 16651.	\$ 22265.	\$ 38916.
ATL	\$ 10079.	\$ 13514.	\$ 23593.
PAC	\$ 6572.	\$ 8751.	\$ 15323.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.0583	\$ 17525.
ATL	3.0576	\$ 10430.
PAC	3.0595	\$ 7094.
FISH:	3.4335	\$ 9127.
ATL	3.5219	\$ 5795.
PAC	3.2936	\$ 3332.
TOTAL: W/SAR	0.7572	\$ -12478.
ATL	0.8468	\$ -4267.
PAC	0.6511	\$ -8211.
TOTAL: WO/SAR	1.0417	\$ 1556.
ATL	1.1072	\$ 2284.
PAC	0.9547	\$ -728.

8 1 B 2CD EPIRB 121.5/243 OS

ALERTING ONLY

GOVT COST: AC&I \$ 99480000. ANNUAL O&M \$ 659000.

USER COST: UNIT COST \$ 250. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 241. TO \$ 230. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: ALERTING 0.4927

SHORE: ES=0.980 ET=1.000 EA=0.995

EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.750 ET=1.000 EA=0.995

EP=1.000

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022

0. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

0. PERCENT

AIRCRAFT MONITOR: YES

100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 90436.	\$ 4049.	\$ 94486.
ATL	\$ 50242.	\$ 2250.	\$ 52492.
PAC	\$ 40194.	\$ 1800.	\$ 41994.
SAR		\$ 14034.	\$ 14034.
ATL		\$ 6551.	
PAC		\$ 7483.	
COMM:	\$ 5243.	\$ 3271.	\$ 8514.
ATL	\$ 3122.	\$ 1948.	\$ 5069.
PAC	\$ 2121.	\$ 1324.	\$ 3445.
FISH:	\$ 2245.	\$ 1506.	\$ 3751.
ATL	\$ 1376.	\$ 922.	\$ 2298.
PAC	\$ 870.	\$ 583.	\$ 1453.
TOTAL: W/SAR	\$ 97924.	\$ 22860.	\$ 120784.
ATL	\$ 54739.	\$ 11671.	\$ 66411.
PAC	\$ 43185.	\$ 11189.	\$ 54374.
TOTAL: WO/SAR	\$ 97924.	\$ 8826.	\$ 106750.
ATL	\$ 54739.	\$ 5120.	\$ 59859.
PAC	\$ 43185.	\$ 3706.	\$ 46891.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11620.	\$ 14418.	\$ 26038.
ATL	\$ 6917.	\$ 8583.	\$ 15500.
PAC	\$ 4703.	\$ 5835.	\$ 10539.
FISH:	\$ 5031.	\$ 7847.	\$ 12878.
ATL	\$ 3162.	\$ 4932.	\$ 8093.
PAC	\$ 1869.	\$ 2915.	\$ 4784.
TOTAL:	\$ 16651.	\$ 22265.	\$ 38916.
ATL	\$ 10079.	\$ 13514.	\$ 23593.
PAC	\$ 6572.	\$ 8751.	\$ 15323.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.0583	\$ 17525.
ATL	3.0576	\$ 10430.
PAC	3.0595	\$ 7094.
FISH:	3.4335	\$ 9127.
ATL	3.5219	\$ 5795.
PAC	3.2936	\$ 3332.
TOTAL: W/SAR	0.3222	\$ -81868.
ATL	0.3553	\$ -42817.
PAC	0.2818	\$ -39051.
TOTAL: WO/SAR	0.3646	\$ -67834.
ATL	0.3941	\$ -36266.
PAC	0.3268	\$ -31568.

9 1 B 2DS EPIRB 406 MHZ GS

ALERTING ONLY

GOVT COST: AC&I \$ 56830000. ANNUAL O&M \$ 317000.

USER COST: UNIT COST \$ 250. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 229. TO \$ 218. NUMBER OF PRODUCERS 6

SYSTEM EFFECTIVENESS: ALERTING 0.4696

SHORE: ES=0.944 ET=1.000 EA=0.995

EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 51664.	\$ 1948.	\$ 53611.
ATL	\$ 28702.	\$ 1082.	\$ 29784.
PAC	\$ 22962.	\$ 866.	\$ 23827.
SAR		\$ 12684.	\$ 12684.
ATL		\$ 5564.	
PAC		\$ 7120.	
COMM:	\$ 4972.	\$ 3102.	\$ 8074.
ATL	\$ 2960.	\$ 1847.	\$ 4807.
PAC	\$ 2011.	\$ 1255.	\$ 3267.
FISH:	\$ 2129.	\$ 1428.	\$ 3557.
ATL	\$ 1304.	\$ 875.	\$ 2179.
PAC	\$ 825.	\$ 553.	\$ 1378.
TOTAL: W/SAR	\$ 58764.	\$ 19162.	\$ 77926.
ATL	\$ 32967.	\$ 9368.	\$ 42335.
PAC	\$ 25798.	\$ 9793.	\$ 35591.
TOTAL: WO/SAR	\$ 58764.	\$ 6478.	\$ 65242.
ATL	\$ 32967.	\$ 3804.	\$ 36771.
PAC	\$ 25798.	\$ 2674.	\$ 28471.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11024.	\$ 13678.	\$ 24702.
ATL	\$ 6540.	\$ 8115.	\$ 14655.
PAC	\$ 4483.	\$ 5563.	\$ 10046.
FISH:	\$ 4767.	\$ 7435.	\$ 12202.
ATL	\$ 2988.	\$ 4661.	\$ 7649.
PAC	\$ 1779.	\$ 2774.	\$ 4553.
TOTAL:	\$ 15791.	\$ 21113.	\$ 36904.
ATL	\$ 9529.	\$ 12776.	\$ 22305.
PAC	\$ 6262.	\$ 8337.	\$ 14599.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.0594	\$ 16628.
ATL	3.0485	\$ 9848.
PAC	3.0755	\$ 6780.
FISH:	3.4306	\$ 8645.
ATL	3.5102	\$ 5470.
PAC	3.3047	\$ 3175.
TOTAL: W/SAR	0.4736	\$ -41022.
ATL	0.5269	\$ -20030.
PAC	0.4102	\$ -20992.
TOTAL: WO/SAR	0.5656	\$ -28339.
ATL	0.6066	\$ -14466.
PAC	0.5128	\$ -13873.

10 1 B 2DD EPIRB 406 MHZ GS

ALERTING ONLY

GOVT COST: AC&I \$ 110460000. ANNUAL O&M \$ 659000.

USER COST: UNIT COST \$ 250. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 229. TO \$ 218. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: ALERTING 0.4696

SHORE: ES=0.944 ET=1.000 EA=0.995

EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0. PERCENT
FISHING VESSELS:	FROM 10000 TO 10366	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 100418.	\$ 4049.	\$ 104467.
ATL	\$ 55788.	\$ 2250.	\$ 58037.
PAC	\$ 44630.	\$ 1800.	\$ 46430.
SAR		\$ 12684.	\$ 12684.
ATL		\$ 5564.	
PAC		\$ 7120.	
COMM:	\$ 4972.	\$ 3102.	\$ 8074.
ATL	\$ 2960.	\$ 1847.	\$ 4807.
PAC	\$ 2011.	\$ 1255.	\$ 3267.
FISH:	\$ 2129.	\$ 1428.	\$ 3557.
ATL	\$ 1304.	\$ 875.	\$ 2179.
PAC	\$ 825.	\$ 553.	\$ 1378.
TOTAL: W/SAR	\$ 107519.	\$ 21263.	\$ 128782.
ATL	\$ 60053.	\$ 10536.	\$ 70588.
PAC	\$ 47466.	\$ 10727.	\$ 58194.
TOTAL: WO/SAR	\$ 107519.	\$ 8579.	\$ 116098.
ATL	\$ 60053.	\$ 4972.	\$ 65024.
PAC	\$ 47466.	\$ 3608.	\$ 51074.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11024.	\$ 13678.	\$ 24702.
ATL	\$ 6540.	\$ 8115.	\$ 14655.
PAC	\$ 4483.	\$ 5563.	\$ 10046.
FISH:	\$ 4767.	\$ 7435.	\$ 12202.
ATL	\$ 2988.	\$ 4661.	\$ 7649.
PAC	\$ 1779.	\$ 2774.	\$ 4553.
TOTAL:	\$ 15791.	\$ 21113.	\$ 36904.
ATL	\$ 9529.	\$ 12776.	\$ 22305.
PAC	\$ 6262.	\$ 8337.	\$ 14599.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.0594	\$ 16628
ATL	3.0485	\$ 9848
PAC	3.0755	\$ 6780
FISH:	3.4306	\$ 8645
ATL	3.5102	\$ 5470
PAC	3.3047	\$ 3175
TOTAL: W/SAR	0.2866	\$ -91878
ATL	0.3160	\$ -48283
PAC	0.2509	\$ -43595
TOTAL: WO/SAR	0.3179	\$ -79195
ATL	0.3430	\$ -42719
PAC	0.2858	\$ -36475

11 1 B 3A SUR 500 KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 552000. ANNUAL O&M \$ 767200.

USER COST: UNIT COST \$ 3000. QUANTITY OF 3651. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 2973. TO \$ 2736. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: ALERTING 0.4296

SHORE: ES=0.980 ET=0.996 EA=0.995

EP=0.000

PASS SHIP: ES=0.980 ET=1.000 EA=0.995

EP=1.000 ALERTING RANGE= 27 N.M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985 TO 27022

100 PERCENT

FISHING VESSELS: FROM 0 TO 0

0 PERCENT

AIRCRAFT MONITOR: NO

0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 502.	\$ 4714.	\$ 5216.
ATL	\$ 279.	\$ 2619.	\$ 2898.
PAC	\$ 223.	\$ 2095.	\$ 2318.
SAR		\$ 15326.	\$ 15326.
ATL		\$ 5948.	
PAC		\$ 9378.	
COMM:	\$ 64299.	\$ 40194.	\$ 104493.
ATL	\$ 38285.	\$ 23932.	\$ 62217.
PAC	\$ 26014.	\$ 16262.	\$ 42276.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 64801.	\$ 60234.	\$ 125035.
ATL	\$ 38564.	\$ 32499.	\$ 71063.
PAC	\$ 26237.	\$ 27735.	\$ 53972.
TOTAL: WO/SAR	\$ 64801.	\$ 44908.	\$ 109709.
ATL	\$ 38564.	\$ 26551.	\$ 65115.
PAC	\$ 26237.	\$ 18357.	\$ 44594.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11547.	\$ 14326.	\$ 25873.
ATL	\$ 6960.	\$ 8636.	\$ 15596.
PAC	\$ 4586.	\$ 5690.	\$ 10277.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11547.	\$ 14326.	\$ 25873.
ATL	\$ 6960.	\$ 8636.	\$ 15596.
PAC	\$ 4586.	\$ 5690.	\$ 10277.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.2476	\$ -78620.
ATL	0.2507	\$ -46621.
PAC	0.2431	\$ -31999.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2069	\$ -99162.
ATL	0.2195	\$ -55466.
PAC	0.1904	\$ -43695.
TOTAL: WO/SAR	0.2358	\$ -83836.
ATL	0.2395	\$ -49519.
PAC	0.2305	\$ -34317.

12 1 B 3B

SUR 2182 KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 821000. ANNUAL O&M \$ 3677000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 824. TO \$ 786. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: ALERTING 0.4045

SHORE: ES=0.880 ET=0.996 EA=0.995

EP=0.000

PASS SHIP: ES=0.880 ET=1.000 EA=0.995

EP=1.000 ALERTING RANGE= 37. N. M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985 TO 27022.

10. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

90. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 746.	\$ 22594.	\$ 23340.
ATL	\$ 415.	\$ 12552.	\$ 12967.
PAC	\$ 332.	\$ 10042.	\$ 10373.
SAR		\$ 14457.	\$ 14457.
ATL		\$ 6330.	
PAC		\$ 8127.	
COMM:	\$ 17898.	\$ 11168.	\$ 29066.
ATL	\$ 10657.	\$ 6650.	\$ 17307.
PAC	\$ 7241.	\$ 4518.	\$ 11760.
FISH:	\$ 7665.	\$ 5140.	\$ 12805.
ATL	\$ 4696.	\$ 3149.	\$ 7845.
PAC	\$ 2969.	\$ 1991.	\$ 4959.
TOTAL: W/SAR	\$ 26309.	\$ 53359.	\$ 79668.
ATL	\$ 15768.	\$ 28681.	\$ 44448.
PAC	\$ 10541.	\$ 24678.	\$ 35219.
TOTAL: WO/SAR	\$ 26309.	\$ 38902.	\$ 65211.
ATL	\$ 15768.	\$ 22351.	\$ 38119.
PAC	\$ 10541.	\$ 16551.	\$ 27092.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 10829.	\$ 13436.	\$ 24264.
ATL	\$ 6830.	\$ 8475.	\$ 15305.
PAC	\$ 3998.	\$ 4961.	\$ 8959.
FISH:	\$ 5004.	\$ 7805.	\$ 12808.
ATL	\$ 3178.	\$ 4956.	\$ 8134.
PAC	\$ 1826.	\$ 2848.	\$ 4674.
TOTAL:	\$ 15833.	\$ 21240.	\$ 37073.
ATL	\$ 10008.	\$ 13431.	\$ 23439.
PAC	\$ 5825.	\$ 7809.	\$ 13634.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.8348	\$ -4802.
ATL	0.8843	\$ -2002.
PAC	0.7619	\$ -2800.
FISH:	1.0003	\$ 4.
ATL	1.0368	\$ 289.
PAC	0.9426	\$ -285.
TOTAL: W/SAR	0.4653	\$ -42595.
ATL	0.5273	\$ -21010.
PAC	0.3871	\$ -21586.
TOTAL: WO/SAR	0.5685	\$ -28138.
ATL	0.6149	\$ -14680.
PAC	0.5032	\$ -13458.

13 1 B 3C SUR 8364 KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. *LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862. TO \$ 807. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: ALERTING 0.3292

SHORE: ES=0.968 ET=0.996 EA=0.995

EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:		CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.		0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.		0. PERCENT
AIRCRAFT MONITOR:	NO		0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3273.	\$ 5168.	\$ 8440.
ATL	\$ 1818.	\$ 2871.	\$ 4689.
PAC	\$ 1455.	\$ 2297.	\$ 3751.
SAR		\$ 38019.	\$ 38019.
ATL		\$ 11599.	
PAC		\$ 26420.	
COMM:	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 21947.	\$ 54850.	\$ 76797.
ATL	\$ 12937.	\$ 21415.	\$ 34352.
PAC	\$ 9010.	\$ 33436.	\$ 42445.
TOTAL: WO/SAR	\$ 21947.	\$ 16831.	\$ 38778.
ATL	\$ 12937.	\$ 9815.	\$ 22753.
PAC	\$ 9010.	\$ 7015.	\$ 16025.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 8344.	\$ 10352.	\$ 18696.
ATL	\$ 5402.	\$ 6702.	\$ 12104.
PAC	\$ 2942.	\$ 3650.	\$ 6592.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 8344.	\$ 10352.	\$ 18696.
ATL	\$ 5402.	\$ 6702.	\$ 12104.
PAC	\$ 2942.	\$ 3650.	\$ 6592.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.6163	\$ -11642.
ATL	0.6701	\$ -5959.
PAC	0.5371	\$ -5682.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2434	\$ -58101.
ATL	0.3524	\$ -22248.
PAC	0.1553	\$ -35854.
TOTAL: WO/SAR	0.4821	\$ -20082.
ATL	0.5320	\$ -10649.
PAC	0.4113	\$ -9433.

14 1 B 4A

SUR500/2182/8364KHZ

ALERTING ONLY

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 1300. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 1105. TO \$ 1054. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: ALERTING 0.4812

SHORE ES=0.980 ET=0.996 EA=0.995

PASS SHIP: ES=0.980 ET=1.000 EA=0.995

EP=GEOGRAPHIC

EP=1.000 ALERTING RANGE= 27. N. M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

100. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

90. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)

A C & I

PV O & E

TOTAL

GOVT: \$ 3273. \$ 5168. \$ 8440.

ATL \$ 1818. \$ 2871. \$ 4689.

PAC \$ 1455. \$ 2297. \$ 3751.

SAR \$ 13730. \$ 13730.

ATL \$ 5989.

PAC \$ 7741.

COMM: \$ 23990. \$ 14970. \$ 38960.

ATL \$ 14284. \$ 8913. \$ 23197.

PAC \$ 9706. \$ 6056. \$ 15762.

FISH: \$ 10274. \$ 6889. \$ 17163.

ATL \$ 6295. \$ 4221. \$ 10516.

PAC \$ 3979. \$ 2668. \$ 6647.

TOTAL: W/SAR \$ 37536. \$ 40757. \$ 78293.

ATL \$ 22397. \$ 21994. \$ 44391.

PAC \$ 15139. \$ 18762. \$ 33902.

TOTAL: WO/SAR \$ 37536. \$ 27027. \$ 64563.

ATL \$ 22397. \$ 16005. \$ 38402.

PAC \$ 15139. \$ 11021. \$ 26161.

BENEFITS: (\$000)

FATALITIES

PROP DAMAGE

TOTAL

COMM: \$ 11700. \$ 14517. \$ 26217.

ATL \$ 6963. \$ 8640. \$ 15603.

PAC \$ 4737. \$ 5877. \$ 10614.

FISH: \$ 5066. \$ 7901. \$ 12967.

ATL \$ 3182. \$ 4962. \$ 8144.

PAC \$ 1884. \$ 2939. \$ 4823.

TOTAL: \$ 16766. \$ 22418. \$ 39184.

ATL \$ 10145. \$ 13602. \$ 23747.

PAC \$ 6621. \$ 8816. \$ 15437.

MEASURES OF EFFECTIVENESS

BENEFIT COST RATIO:

BENEFITS MINUS COST:

COMM: 0.6729 \$ -12742.

ATL 0.6726 \$ -7595.

PAC 0.6734 \$ -5148.

FISH: 0.7555 \$ -4196.

ATL 0.7745 \$ -2372.

PAC 0.7255 \$ -1824.

TOTAL: W/SAR 0.5005 \$ -39109.

ATL 0.5349 \$ -20645.

PAC 0.4554 \$ -18464.

TOTAL: WO/SAR 0.6069 \$ -25379.

ATL 0.6184 \$ -14655.

PAC 0.5901 \$ -10724.

15 2 B 1A INST 500 RPT LOC LOCATING ONLY

GOVT COST: AC&I \$ 552000. ANNUAL O&M \$ 767200.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4999

SAR UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.990 EP=GEOGRAPHIC

PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.990 EP=1.000 LOCATING RANGE=270 N.M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 502	\$ 4714.	\$ 5216.
ATL	\$ 279.	\$ 2619.	\$ 2898.
PAC	\$ 223.	\$ 2095.	\$ 2318.
SAR		\$ 13051.	\$ 13051.
ATL		\$ 5778.	
PAC		\$ 7273.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 363446.	\$ 244842.	\$ 608288.
ATL	\$ 216383.	\$ 143603.	\$ 359986.
PAC	\$ 147063.	\$ 101239.	\$ 248302.
TOTAL: WO/SAR	\$ 363446.	\$ 231791.	\$ 595237.
ATL	\$ 216383.	\$ 137825.	\$ 354208.
PAC	\$ 147063.	\$ 93966.	\$ 241029.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11736.	\$ 14562.	\$ 26298.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4773.	\$ 5922.	\$ 10696.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11736.	\$ 14562.	\$ 26298.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4773.	\$ 5922.	\$ 10696.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0446	\$ -563723.
ATL	0.0444	\$ -335708.
PAC	0.0448	\$ -228015.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0432	\$ -581990.
ATL	0.0433	\$ -344383.
PAC	0.0431	\$ -237607.
TOTAL: WO/SAR	0.0442	\$ -568939.
ATL	0.0440	\$ -338605.
PAC	0.0444	\$ -230334.

16 2 B 1B INST 2182 RPT LOC LOCATING ONLY

GOVT COST: AC&I \$ 821000. ANNUAL O&M \$ 3677000.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: LOCATING 0.4451

S&R UNITS: ES=0.907 ET=0.996 EA=0.995 EL=0.880 EP=GEOGRAPHIC

PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EL=0.880 EP=1.000 LOCATING RANGE= 70. N M

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	10. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	90. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 746.	\$ 22594.	\$ 23340.
ATL	\$ 415.	\$ 12552.	\$ 12967.
PAC	\$ 332.	\$ 10042.	\$ 10373.
SAR		\$ 13228.	\$ 13228.
ATL		\$ 5843.	
PAC		\$ 7385.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 46925.	\$ 65295.	\$ 112220.
ATL	\$ 28149.	\$ 36105.	\$ 64254.
PAC	\$ 18775.	\$ 29190.	\$ 47965.
TOTAL: WD/SAR	\$ 46925.	\$ 52068.	\$ 98992.
ATL	\$ 28149.	\$ 30262.	\$ 58411.
PAC	\$ 18775.	\$ 21806.	\$ 40581.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11408.	\$ 14154.	\$ 25562.
ATL	\$ 6945.	\$ 8616.	\$ 15561.
PAC	\$ 4463.	\$ 5538.	\$ 10001.
FISH:	\$ 5046.	\$ 7871.	\$ 12917.
ATL	\$ 3181.	\$ 4962.	\$ 8143.
PAC	\$ 1865.	\$ 2909.	\$ 4774.
TOTAL:	\$ 16454.	\$ 22025.	\$ 38479.
ATL	\$ 10126.	\$ 13578.	\$ 23704.
PAC	\$ 6328.	\$ 8447.	\$ 14775.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4869	\$ -26939.
ATL	0.4978	\$ -15699.
PAC	0.4708	\$ -11240.
FISH:	0.5580	\$ -10234.
ATL	0.5741	\$ -6042.
PAC	0.5325	\$ -4192.
TOTAL: W/SAR	0.3429	\$ -73741.
ATL	0.3689	\$ -40551.
PAC	0.3080	\$ -33190.
TOTAL: WD/SAR	0.3887	\$ -60513.
ATL	0.4058	\$ -34708.
PAC	0.3641	\$ -25805.

17 2 B 1C INST L-BAND RPT LOC LOCATING ONLY

GOVT COST: AC&I \$ 0. ANNUAL O&M \$ TARIFF SERVICE

USER COST: UNIT COST \$ 48300. QUANTITY OF 200. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 26322. TO \$ 23792. NUMBER OF PRODUCERS 3.

SYSTEM EFFECTIVENESS: LOCATING 0.4901
S&R UNITS: ES=0.999 ET=0.996 EA=0.995 EL=0.990 EP=1.000
PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH

COMMERCIAL SHIPS:	FROM 5000. TO 7117.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 0.	\$ 117.	\$ 117.
ATL	\$ 0.	\$ 65.	\$ 65.
PAC	\$ 0.	\$ 52.	\$ 52.
SAR		\$ 12672.	\$ 12672.
ATL		\$ 5558.	
PAC		\$ 7114.	
COMM:	\$ 149671.	\$ 93642.	\$ 243314.
ATL	\$ 89117.	\$ 55756.	\$ 144874.
PAC	\$ 60554.	\$ 37886.	\$ 98440.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 149671.	\$ 106431.	\$ 256103.
ATL	\$ 89117.	\$ 61379.	\$ 150496.
PAC	\$ 60554.	\$ 45052.	\$ 105606.
TOTAL: WO/SAR	\$ 149671.	\$ 93759.	\$ 243430.
ATL	\$ 89117.	\$ 55821.	\$ 144939.
PAC	\$ 60554.	\$ 37938.	\$ 98492.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 3030.	\$ 3759.	\$ 6788.
ATL	\$ 1797.	\$ 2230.	\$ 4028.
PAC	\$ 1232.	\$ 1529.	\$ 2761.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 3030.	\$ 3759.	\$ 6788.
ATL	\$ 1797.	\$ 2230.	\$ 4028.
PAC	\$ 1232.	\$ 1529.	\$ 2761.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0279	\$ -236525
ATL	0.0278	\$ -140846
PAC	0.0280	\$ -95679
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0265	\$ -249314
ATL	0.0268	\$ -146469
PAC	0.0261	\$ -102845
TOTAL: WO/SAR	0.0279	\$ -236642
ATL	0.0278	\$ -140911
PAC	0.0280	\$ -95731

18 2 B 10 INST HF RPT LOC LOCATING ONLY

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4350

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.990 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3273	\$ 5168.	\$ 8440.
ATL	\$ 1818	\$ 2871.	\$ 4689.
PAC	\$ 1455	\$ 2297.	\$ 3751
SAR		\$ 15292.	\$ 15292.
ATL		\$ 6618.	
PAC		\$ 8674	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 85183.	\$ 71707.	\$ 156889.
ATL	\$ 50589.	\$ 40003.	\$ 90592.
PAC	\$ 34594.	\$ 31704.	\$ 66298.
TOTAL: WO/SAR	\$ 85183.	\$ 56415.	\$ 141598.
ATL	\$ 50589.	\$ 33384.	\$ 83973.
PAC	\$ 34594.	\$ 23030.	\$ 57624.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10573	\$ 13119.	\$ 23692.
ATL	\$ 6341.	\$ 7868.	\$ 14209.
PAC	\$ 4232.	\$ 5251.	\$ 9483.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 10573.	\$ 13119.	\$ 23692.
ATL	\$ 6341.	\$ 7868.	\$ 14209.
PAC	\$ 4232.	\$ 5251.	\$ 9483.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.1779	\$ -109465
ATL	0.1792	\$ -65075.
PAC	0.1760	\$ -44390.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1510	\$ -133198.
ATL	0.1568	\$ -76383.
PAC	0.1430	\$ -56815.
TOTAL: WO/SAR	0.1673	\$ -117906.
ATL	0.1692	\$ -69764.
PAC	0.1646	\$ -48141.

19 2 B 2A INST 500. SHORE DF LOCATING ONLY

GOVT COST: AC&I \$ 120000. ANNUAL O&M \$ 806000.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4983

S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.980 EP=GEOGRAPHIC

PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.980 EP=1.000 LOCATING RANGE=200. N.M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022. 100. PERCENT

FISHING VESSELS: FROM 0. TO 0. 0. PERCENT

AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1091.	\$ 4953.	\$ 6043.
ATL	\$ 606.	\$ 2751.	\$ 3357.
PAC	\$ 485.	\$ 2201.	\$ 2686.
SAR		\$ 13065.	\$ 13065.
ATL		\$ 5785.	
PAC		\$ 7280.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 364035.	\$ 245095.	\$ 609130.
ATL	\$ 216710.	\$ 143743.	\$ 360453.
PAC	\$ 147325.	\$ 101352.	\$ 248677.
TOTAL: WO/SAR	\$ 364035.	\$ 232030.	\$ 596065.
ATL	\$ 216710.	\$ 137958.	\$ 354668.
PAC	\$ 147325.	\$ 94072.	\$ 241397.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 11736.	\$ 14561.	\$ 26297.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4773.	\$ 5921.	\$ 10694.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11736.	\$ 14561.	\$ 26297.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4773.	\$ 5921.	\$ 10694.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0446	\$ -563725.
ATL	0.0444	\$ -335708.
PAC	0.0448	\$ -228017.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0432	\$ -582833.
ATL	0.0433	\$ -344850.
PAC	0.0430	\$ -237983.
TOTAL: WO/SAR	0.0441	\$ -569768.
ATL	0.0440	\$ -339065.
PAC	0.0443	\$ -230703.

20 2 B 2B INST HF, SHORE DF LOCATING ONLY

GOVT COST: AC&I \$ 0. ANNUAL O&M \$ 10000

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4328

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.985 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 0.	\$ 61.	\$ 61.
ATL	\$ 0.	\$ 34.	\$ 34.
PAC	\$ 0.	\$ 27.	\$ 27.
SAR		\$ 15445.	\$ 15445.
ATL		\$ 6661.	
PAC		\$ 8785.	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 81910.	\$ 66754.	\$ 148664.
ATL	\$ 48771.	\$ 37208.	\$ 85979.
PAC	\$ 33139.	\$ 29545.	\$ 62685.
TOTAL: WO/SAR	\$ 81910.	\$ 51309.	\$ 133219.
ATL	\$ 48771.	\$ 30548.	\$ 79319.
PAC	\$ 33139.	\$ 20761.	\$ 53900.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10520.	\$ 13052.	\$ 23572.
ATL	\$ 6309.	\$ 7828.	\$ 14137.
PAC	\$ 4211.	\$ 5224.	\$ 9435.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 10520.	\$ 13052.	\$ 23572.
ATL	\$ 6309.	\$ 7828.	\$ 14137.
PAC	\$ 4211.	\$ 5224.	\$ 9435.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.1770	\$ -109585.
ATL	0.1783	\$ -65147.
PAC	0.1751	\$ -44438.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1586	\$ -125092.
ATL	0.1644	\$ -71842.
PAC	0.1505	\$ -53250.
TOTAL: WO/SAR	0.1769	\$ -109646.
ATL	0.1782	\$ -65181.
PAC	0.1750	\$ -44465.

21 2 B 3A INST 500, A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 1470000. ANNUAL O&M \$ 70200.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4981

S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.950 EP=GEOGRAPHIC

PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000 LOCATING RANGE=200. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH

COMMERCIAL SHIPS:	FROM 18985. TO 27022.	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1336.	\$ 431.	\$ 1768.
ATL	\$ 742.	\$ 240.	\$ 982.
PAC	\$ 594.	\$ 192.	\$ 786.
SAR		\$ 13065.	\$ 13065.
ATL		\$ 5785.	
PAC		\$ 7280.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 364280.	\$ 240573.	\$ 604854.
ATL	\$ 216847.	\$ 141231.	\$ 358078.
PAC	\$ 147434.	\$ 99342.	\$ 246776.
TOTAL: WO/SAR	\$ 364280.	\$ 227508.	\$ 591789.
ATL	\$ 216847.	\$ 135446.	\$ 352292.
PAC	\$ 147434.	\$ 92063.	\$ 239497.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11736.	\$ 14561.	\$ 26296.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4772.	\$ 5921.	\$ 10694.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11736.	\$ 14561.	\$ 26296.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4772.	\$ 5921.	\$ 10694.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0446	\$ -563725.
ATL	0.0444	\$ -335708.
PAC	0.0448	\$ -228017.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0435	\$ -578557.
ATL	0.0436	\$ -342475.
PAC	0.0433	\$ -236083.
TOTAL: WO/SAR	0.0444	\$ -565492.
ATL	0.0443	\$ -336690.
PAC	0.0447	\$ -228803.

22 2 B 3B

INST 2182, A/C DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 4015600. ANNUAL O&M \$ 270200.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: LOCATING 0.4364

S&R UNITS: ES=0.907 ET=0.996 EA=0.995 EL=0.900 EP=GEOGRAPHIC

PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EL=0.900 EP=1.000 LOCATING RANGE= 60. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	10. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	90. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3651.	\$ 1660.	\$ 5311.
ATL	\$ 2028.	\$ 922.	\$ 2950.
PAC	\$ 1622.	\$ 738.	\$ 2360.
SAR		\$ 13249.	\$ 13249.
ATL		\$ 5862.	
PAC		\$ 7387.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 49829.	\$ 44383.	\$ 94211.
ATL	\$ 29763.	\$ 24494.	\$ 54257.
PAC	\$ 20066.	\$ 19889.	\$ 39954.
TOTAL: WO/SAR	\$ 49829.	\$ 31134.	\$ 80963.
ATL	\$ 29763.	\$ 18632.	\$ 48395.
PAC	\$ 20066.	\$ 12502.	\$ 32568.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11303.	\$ 14024.	\$ 25327.
ATL	\$ 6929.	\$ 8598.	\$ 15527.
PAC	\$ 4374.	\$ 5427.	\$ 9800.
FISH:	\$ 5038.	\$ 7859.	\$ 12897.
ATL	\$ 3181.	\$ 4961.	\$ 8142.
PAC	\$ 1858.	\$ 2898.	\$ 4755.
TOTAL:	\$ 16342.	\$ 21883.	\$ 38224.
ATL	\$ 10110.	\$ 13559.	\$ 23669.
PAC	\$ 6231.	\$ 8324.	\$ 14556.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4824	\$ -27174
ATL	0.4967	\$ -15733
PAC	0.4614	\$ -11441
FISH:	0.5571	\$ -10254
ATL	0.5740	\$ -6043
PAC	0.5304	\$ -4211
TOTAL: W/SAR	0.4057	\$ -55987
ATL	0.4362	\$ -30588
PAC	0.3643	\$ -25399
TOTAL: WO/SAR	0.4721	\$ -42739
ATL	0.4891	\$ -24726
PAC	0.4469	\$ -18012

23 2 B 3C

INST 156.8/A/C DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 2527500. ANNUAL O&M \$ 317600.

USER COST: UNIT COST \$ 400. QUANTITY OF 3527. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 397. TO \$ 374. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.0000

S&R UNITS: ES=0.914 ET=0.996 EA=0.995 EL=0.950 EP=0.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2298.	\$ 1952.	\$ 4249.
ATL	\$ 1277.	\$ 1084.	\$ 2361.
PAC	\$ 1021.	\$ 867.	\$ 1889.
SAR		\$ 103059.	\$ 103059.
ATL		\$ 56535.	
PAC		\$ 46524.	
COMM:	\$ 8619.	\$ 5382.	\$ 14001.
ATL	\$ 5132.	\$ 3204.	\$ 8337.
PAC	\$ 3487.	\$ 2177.	\$ 5665.
FISH:	\$ 3696.	\$ 2478.	\$ 6174.
ATL	\$ 2264.	\$ 1518.	\$ 3783.
PAC	\$ 1431.	\$ 960.	\$ 2391.
TOTAL: W/SAR	\$ 14613.	\$ 112870.	\$ 127483.
ATL	\$ 8673.	\$ 62342.	\$ 71014.
PAC	\$ 5940.	\$ 50529.	\$ 56468.
TOTAL: WO/SAR	\$ 14613.	\$ 9812.	\$ 24424.
ATL	\$ 8673.	\$ 5807.	\$ 14480.
PAC	\$ 5940.	\$ 4005.	\$ 9944.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO	BENEFITS MINUS COST:
COMM:	0.0000	\$ -14001.
ATL	0.0000	\$ -8337.
PAC	0.0000	\$ -5665.
FISH:	0.0000	\$ -6174.
ATL	0.0000	\$ -3783.
PAC	0.0000	\$ -2391.
TOTAL: W/SAR	0.0000	\$ -127483.
ATL	0.0000	\$ -71014.
PAC	0.0000	\$ -56468.
TOTAL: WO/SAR	0.0000	\$ -24424.
ATL	0.0000	\$ -14480.
PAC	0.0000	\$ -9944.

24 2 B 3D INST HF, A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 861600. ANNUAL O&M \$ 59600.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4284
S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.975 EP=GEOGRAPHIC
PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 783.	\$ 366.	\$ 1149.
ATL	\$ 435.	\$ 203.	\$ 639.
PAC	\$ 348.	\$ 163.	\$ 511.
SAR		\$ 15015.	\$ 15015.
ATL		\$ 6144.	
PAC		\$ 8871.	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 82693.	\$ 66629.	\$ 149322.
ATL	\$ 49206.	\$ 36861.	\$ 86067.
PAC	\$ 33487.	\$ 29767.	\$ 63254.
TOTAL: WO/SAR	\$ 82693.	\$ 51613.	\$ 134307.
ATL	\$ 49206.	\$ 30717.	\$ 79923.
PAC	\$ 33487.	\$ 20896.	\$ 54384.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10413.	\$ 12920.	\$ 23333.
ATL	\$ 6245.	\$ 7749.	\$ 13994.
PAC	\$ 4168.	\$ 5171.	\$ 9339.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 10413.	\$ 12920.	\$ 23333.
ATL	\$ 6245.	\$ 7749.	\$ 13994.
PAC	\$ 4168.	\$ 5171.	\$ 9339.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.1752	\$ -109824
ATL	0.1765	\$ -65291
PAC	0.1734	\$ -44534
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1563	\$ -125989
ATL	0.1626	\$ -72074
PAC	0.1476	\$ -53915
TOTAL: WO/SAR	0.1737	\$ -110974
ATL	0.1751	\$ -65929
PAC	0.1717	\$ -45045

25 2 B 4A INST 500 SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 8078686. ANNUAL O&M \$ 474600.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4981

S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.950 EP=GEOGRAPHIC

PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000 LOCATING RANGE=200. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 7344.	\$ 2916.	\$ 10260.
ATL	\$ 4080.	\$ 1620.	\$ 5700.
PAC	\$ 3264.	\$ 1296.	\$ 4560.
SAR		\$ 13065.	\$ 13065.
ATL		\$ 5785.	
PAC		\$ 7280.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 370288.	\$ 243058.	\$ 613347.
ATL	\$ 220184.	\$ 142612.	\$ 362796.
PAC	\$ 150104.	\$ 100447.	\$ 250551.
TOTAL: WD/SAR	\$ 370288.	\$ 229993.	\$ 600282.
ATL	\$ 220184.	\$ 136826.	\$ 357011.
PAC	\$ 150104.	\$ 93167.	\$ 243271.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11736.	\$ 14561.	\$ 26296.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4772.	\$ 5921.	\$ 10694.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11736.	\$ 14561.	\$ 26296.
ATL	\$ 6963.	\$ 8640.	\$ 15603.
PAC	\$ 4772.	\$ 5921.	\$ 10694.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0446	\$ -563725.
ATL	0.0444	\$ -335708.
PAC	0.0448	\$ -228017.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0429	\$ -587050.
ATL	0.0430	\$ -347193.
PAC	0.0427	\$ -239857.
TOTAL: WD/SAR	0.0438	\$ -573985.
ATL	0.0437	\$ -341408.
PAC	0.0440	\$ -232577.

26 2 B 4B

INST 2182, SHIP DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 6222344. ANNUAL O&M \$ 421680.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: LOCATING 0.4295

S&R UNITS: ES=0.907 ET=0.996 EA=0.995 EL=0.800 EP=GEOGRAPHIC

PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EL=0.800 EP=1.000 LOCATING RANGE= 60. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	10. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	90. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 5657.	\$ 2591.	\$ 8248
ATL	\$ 3143.	\$ 1439.	\$ 4582.
PAC	\$ 2514.	\$ 1152.	\$ 3666.
SAR		\$ 13456.	\$ 13456.
ATL		\$ 5867.	
PAC		\$ 7589.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 51835.	\$ 45521.	\$ 97356.
ATL	\$ 30877.	\$ 25016.	\$ 55894.
PAC	\$ 20958.	\$ 20505.	\$ 41462.
TOTAL: WO/SAR	\$ 51835.	\$ 32065.	\$ 83900.
ATL	\$ 30877.	\$ 19149.	\$ 50027.
PAC	\$ 20958.	\$ 12916.	\$ 33873.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11211.	\$ 13910.	\$ 25121.
ATL	\$ 6914.	\$ 8578.	\$ 15492.
PAC	\$ 4297.	\$ 5332.	\$ 9629.
FISH:	\$ 5032.	\$ 7848.	\$ 12880.
ATL	\$ 3180.	\$ 4960.	\$ 8140.
PAC	\$ 1852.	\$ 2888.	\$ 4739.
TOTAL:	\$ 16243.	\$ 21758.	\$ 38000.
ATL	\$ 10094.	\$ 13538.	\$ 23632.
PAC	\$ 6149.	\$ 8220.	\$ 14368.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4785	\$ -27381.
ATL	0.4956	\$ -15769.
PAC	0.4533	\$ -11612.
FISH:	0.5563	\$ -10271.
ATL	0.5739	\$ -6044.
PAC	0.5286	\$ -4227.
TOTAL: W/SAR	0.3903	\$ -59355.
ATL	0.4228	\$ -32261.
PAC	0.3465	\$ -27094.
TOTAL: WO/SAR	0.4529	\$ -45900.
ATL	0.4724	\$ -26395.
PAC	0.4242	\$ -19505.

27 2 B 4C

INST156.8, SHIP DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 2406023. ANNUAL O&M \$ 312792.

USER COST: UNIT COST \$ 400. QUANTITY OF 3527. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 397. TO \$ 374. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.0000

S&R UNITS: ES=0.914 ET=0.996 EA=0.995 EL=0.620 EF=0.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2187.	\$ 1922.	\$ 4109.
ATL	\$ 1215.	\$ 1068.	\$ 2283.
PAC	\$ 972.	\$ 854.	\$ 1826.
SAR		\$ 103059.	\$ 103059.
ATL		\$ 56535.	
PAC		\$ 46524.	
COMM:	\$ 8619.	\$ 5382.	\$ 14001.
ATL	\$ 5132.	\$ 3204.	\$ 8337.
PAC	\$ 3487.	\$ 2177.	\$ 5665.
FISH:	\$ 3696.	\$ 2478.	\$ 6174.
ATL	\$ 2264.	\$ 1518.	\$ 3783.
PAC	\$ 1431.	\$ 960.	\$ 2391.
TOTAL: W/SAR	\$ 14502.	\$ 112841.	\$ 127343.
ATL	\$ 8611.	\$ 62325.	\$ 70937.
PAC	\$ 5891.	\$ 50516.	\$ 56406.
TOTAL: WO/SAR	\$ 14502.	\$ 9782.	\$ 24284.
ATL	\$ 8611.	\$ 5791.	\$ 14402.
PAC	\$ 5891.	\$ 3991.	\$ 9882.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0000	\$ -14001.
ATL	0.0000	\$ -8337.
PAC	0.0000	\$ -5665.
FISH:	0.0000	\$ -6174.
ATL	0.0000	\$ -3783.
PAC	0.0000	\$ -2391.
TOTAL: W/SAR	0.0000	\$ -127343.
ATL	0.0000	\$ -70937.
PAC	0.0000	\$ -56406.
TOTAL: WO/SAR	0.0000	\$ -24284.
ATL	0.0000	\$ -14402.
PAC	0.0000	\$ -9882.

28 2 B 4D INST HF SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 2435200. ANNUAL O&M \$ 259000.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4218

S&R UNITS: ES=0.968 EF=0.996 EA=0.995 EL=0.960 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2214.	\$ 1591.	\$ 3805.
ATL	\$ 1230.	\$ 884.	\$ 2114.
PAC	\$ 984.	\$ 707.	\$ 1691.
SAR		\$ 15236.	\$ 15236.
ATL		\$ 6350.	
PAC		\$ 8887.	
CUMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 84124.	\$ 68075.	\$ 152199.
ATL	\$ 50001.	\$ 37748.	\$ 87748.
PAC	\$ 34123.	\$ 30328.	\$ 64451.
TOTAL: WO/SAR	\$ 84124.	\$ 52839.	\$ 136962.
ATL	\$ 50001.	\$ 31398.	\$ 81398.
PAC	\$ 34123.	\$ 21441.	\$ 55564.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10253.	\$ 12721.	\$ 22974.
ATL	\$ 6149.	\$ 7629.	\$ 13778.
PAC	\$ 4104.	\$ 5092.	\$ 9195.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 10253.	\$ 12721.	\$ 22974.
ATL	\$ 6149.	\$ 7629.	\$ 13778.
PAC	\$ 4104.	\$ 5092.	\$ 9195.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.1725	\$ -110183
ATL	0.1738	\$ -65506
PAC	0.1707	\$ -44677
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1509	\$ -129225
ATL	0.1570	\$ -73970
PAC	0.1427	\$ -55255
TOTAL: WO/SAR	0.1677	\$ -113989
ATL	0.1693	\$ -67620
PAC	0.1655	\$ -46369

29 2 B 5A EP VHF-FM A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 2527500. ANNUAL O&M \$ 317600.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 170. TO \$ 162. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: LOCATING 0.4444

S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2298.	\$ 1952.	\$ 4249.
ATL	\$ 1277.	\$ 1084.	\$ 2361.
PAC	\$ 1021.	\$ 867.	\$ 1889.
SAR		\$ 15492.	\$ 15492.
ATL		\$ 6920.	
PAC		\$ 8572.	
COMM:	\$ 3691.	\$ 2303.	\$ 5994.
ATL	\$ 2198.	\$ 1371.	\$ 3569.
PAC	\$ 1493.	\$ 932.	\$ 2425.
FISH:	\$ 1581.	\$ 1060.	\$ 2640.
ATL	\$ 968.	\$ 649.	\$ 1618.
PAC	\$ 612.	\$ 411.	\$ 1023.
TOTAL: W/SAR	\$ 7569.	\$ 20807.	\$ 28376.
ATL	\$ 4442.	\$ 10025.	\$ 14468.
PAC	\$ 3127.	\$ 10781.	\$ 13908.
TOTAL: WO/SAR	\$ 7569.	\$ 5314.	\$ 12883.
ATL	\$ 4442.	\$ 3105.	\$ 7547.
PAC	\$ 3127.	\$ 2210.	\$ 5336.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10431.	\$ 12942.	\$ 23373.
ATL	\$ 6189.	\$ 7678.	\$ 13867.
PAC	\$ 4242.	\$ 5264.	\$ 9506.
FISH:	\$ 4510.	\$ 7035.	\$ 11546.
ATL	\$ 2828.	\$ 4410.	\$ 7238.
PAC	\$ 1683.	\$ 2625.	\$ 4308.
TOTAL:	\$ 14941.	\$ 19977.	\$ 34918.
ATL	\$ 9016.	\$ 12089.	\$ 21105.
PAC	\$ 5925.	\$ 7888.	\$ 13813.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.8995	\$ 17379.
ATL	3.8856	\$ 10298.
PAC	3.9199	\$ 7081.
FISH:	4.3726	\$ 8905.
ATL	4.4740	\$ 5620.
PAC	4.2122	\$ 3285.
TOTAL: W/SAR	1.2306	\$ 6542.
ATL	1.4588	\$ 6637.
PAC	0.9932	\$ -95.
TOTAL: WO/SAR	2.7103	\$ 22035.
ATL	2.7963	\$ 13558.
PAC	2.5886	\$ 8477.

30 2 B 5B EP 2182 A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 1072200. ANNUAL O&M \$ 83000.

USER COST: UNIT COST \$ 350. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 338. TO \$ 323. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.2969

S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.280 EP=1.000

PASS SHIP: ES=0.944 ET=1.000 EA=0.995 EL=0.280 EP=1.000 LOCATING RANGE= 16. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	10. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	90. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 975.	\$ 510.	\$ 1485.
ATL	\$ 542.	\$ 283.	\$ 825.
PAC	\$ 433.	\$ 227.	\$ 660.
SAR		\$ 31214.	\$ 31214.
ATL		\$ 11053.	
PAC		\$ 20161.	
COMM:	\$ 7340.	\$ 4580.	\$ 11919.
ATL	\$ 4370.	\$ 2727.	\$ 7097.
PAC	\$ 2969.	\$ 1853.	\$ 4822.
FISH:	\$ 3143.	\$ 2108.	\$ 5251.
ATL	\$ 1926.	\$ 1291.	\$ 3217.
PAC	\$ 1217.	\$ 816.	\$ 2034.
TOTAL: W/SAR	\$ 11457.	\$ 38412.	\$ 49869.
ATL	\$ 6837.	\$ 15354.	\$ 22192.
PAC	\$ 4620.	\$ 23057.	\$ 27677.
TOTAL: WO/SAR	\$ 11457.	\$ 7198.	\$ 18655.
ATL	\$ 6837.	\$ 4302.	\$ 11139.
PAC	\$ 4620.	\$ 2896.	\$ 7516.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 8173.	\$ 10141.	\$ 18314.
ATL	\$ 5444.	\$ 6754.	\$ 12198.
PAC	\$ 2729.	\$ 3386.	\$ 6115.
FISH:	\$ 4598.	\$ 7172.	\$ 11770.
ATL	\$ 3068.	\$ 4785.	\$ 7853.
PAC	\$ 1531.	\$ 2387.	\$ 3918.
TOTAL:	\$ 12771.	\$ 17313.	\$ 30084.
ATL	\$ 8512.	\$ 11539.	\$ 20051.
PAC	\$ 4260.	\$ 5773.	\$ 10033.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.5364	\$ 6394.
ATL	1.7188	\$ 5101.
PAC	1.2681	\$ 1293.
FISH:	2.2416	\$ 6520.
ATL	2.4408	\$ 4635.
PAC	1.9264	\$ 1884.
TOTAL: W/SAR	0.6033	\$ -19785.
ATL	0.9035	\$ -2141.
PAC	0.3625	\$ -17644.
TOTAL: WO/SAR	1.6126	\$ 11429.
ATL	1.8000	\$ 8912.
PAC	1.3349	\$ 2517.

31 2 B 50 EP UHF-AM A/C DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 2707500. ANNUAL O&M \$ 317600.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 170 TO \$ 162. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: LOCATING 0.4444

S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2461.	\$ 1952.	\$ 4413.
ATL	\$ 1367.	\$ 1084.	\$ 2452.
PAC	\$ 1094.	\$ 867.	\$ 1961.
SAR		\$ 15492.	\$ 15492.
ATL		\$ 6920.	
PAC		\$ 8572.	
COMM:	\$ 3691.	\$ 2303.	\$ 5994.
ATL	\$ 2198.	\$ 1371.	\$ 3569.
PAC	\$ 1493.	\$ 932.	\$ 2425.
FISH:	\$ 1581.	\$ 1060.	\$ 2640.
ATL	\$ 968.	\$ 649.	\$ 1618.
PAC	\$ 612.	\$ 411.	\$ 1023.
TOTAL: W/SAR	\$ 7733.	\$ 20807.	\$ 28539.
ATL	\$ 4533.	\$ 10025.	\$ 14559.
PAC	\$ 3199.	\$ 10781.	\$ 13981.
TOTAL: WO/SAR	\$ 7733.	\$ 5314.	\$ 13047.
ATL	\$ 4533.	\$ 3105.	\$ 7638.
PAC	\$ 3199.	\$ 2210.	\$ 5409.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10431.	\$ 12942.	\$ 23373.
ATL	\$ 6189.	\$ 7678.	\$ 13867.
PAC	\$ 4242.	\$ 5264.	\$ 9506.
FISH:	\$ 4510.	\$ 7035.	\$ 11546.
ATL	\$ 2828.	\$ 4410.	\$ 7238.
PAC	\$ 1683.	\$ 2625.	\$ 4308.
TOTAL:	\$ 14941.	\$ 19977.	\$ 34918.
ATL	\$ 9016.	\$ 12089.	\$ 21105.
PAC	\$ 5925.	\$ 7888.	\$ 13813.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.8995	\$ 17379.
ATL	3.8856	\$ 10298.
PAC	3.9199	\$ 7081.
FISH:	4.3726	\$ 8905.
ATL	4.4740	\$ 5620.
PAC	4.2122	\$ 3285.
TOTAL: W/SAR	1.2235	\$ 6379.
ATL	1.4497	\$ 6546.
PAC	0.9880	\$ -167.
TOTAL: WO/SAR	2.6763	\$ 21871.
ATL	2.7631	\$ 13467.
PAC	2.5538	\$ 8404.

32 2 B 5D

EP121.5/243A/C DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 2707500. ANNUAL O&M \$ 317600.

USER COST: UNIT COST \$ 225. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 217. TO \$ 207. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.4100

S&R UNITS: ES=0.800 ET=0.996 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVREL: ES=0.800 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2461.	\$ 1952.	\$ 4413.
ATL	\$ 1367.	\$ 1084.	\$ 2452.
PAC	\$ 1094.	\$ 867.	\$ 1961.
SAR		\$ 15428.	\$ 15428.
ATL		\$ 6557.	
PAC		\$ 8871.	
COMM:	\$ 4718.	\$ 2944.	\$ 7663.
ATL	\$ 2809.	\$ 1753.	\$ 4562.
PAC	\$ 1909.	\$ 1191.	\$ 3100.
FISH:	\$ 2021.	\$ 1355.	\$ 3376.
ATL	\$ 1238.	\$ 830.	\$ 2068.
PAC	\$ 783.	\$ 525.	\$ 1307.
TOTAL: W/SAR	\$ 9200.	\$ 21679.	\$ 30879.
ATL	\$ 5415.	\$ 10225.	\$ 15639.
PAC	\$ 3785.	\$ 11454.	\$ 15240.
TOTAL: WD/SAR	\$ 9200.	\$ 6251.	\$ 15451.
ATL	\$ 5415.	\$ 3667.	\$ 9082.
PAC	\$ 3785.	\$ 2583.	\$ 6369.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10104.	\$ 12536.	\$ 22640.
ATL	\$ 6203.	\$ 7697.	\$ 13900.
PAC	\$ 3900.	\$ 4839.	\$ 8740.
FISH:	\$ 4412.	\$ 6881.	\$ 11293.
ATL	\$ 2848.	\$ 4442.	\$ 7290.
PAC	\$ 1564.	\$ 2439.	\$ 4003.
TOTAL:	\$ 14515.	\$ 19417.	\$ 33933.
ATL	\$ 9051.	\$ 12139.	\$ 21190.
PAC	\$ 5464.	\$ 7279.	\$ 12743.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.9546	\$ 14977.
ATL	3.0466	\$ 9338.
PAC	2.8192	\$ 5640.
FISH:	3.3455	\$ 7917.
ATL	3.5247	\$ 5222.
PAC	3.0619	\$ 2696.
TOTAL: W/SAR	1.0989	\$ 3054.
ATL	1.3549	\$ 5551.
PAC	0.8362	\$ -2497.
TOTAL: WD/SAR	2.1961	\$ 18482.
ATL	2.3331	\$ 12108.
PAC	2.0008	\$ 6374.

33 2 B 5E EP VHF-AM A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 2707500. ANNUAL O&M \$ 317600

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 170. TO \$ 162. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: LOCATING 0.4660

S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0 PERCENT
FISHING VESSELS:	FROM 10000 TO 10366	0 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2461	\$ 1952	\$ 4413
ATL	\$ 1367	\$ 1084	\$ 2452
PAC	\$ 1094	\$ 867	\$ 1961
SAR		\$ 15189	\$ 15189
ATL		\$ 6706	
PAC		\$ 8483	
COMM:	\$ 3691	\$ 2303	\$ 5994
ATL	\$ 2198	\$ 1371	\$ 3569
PAC	\$ 1493	\$ 932	\$ 2425
FISH:	\$ 1581	\$ 1060	\$ 2640
ATL	\$ 968	\$ 649	\$ 1618
PAC	\$ 612	\$ 411	\$ 1023
TOTAL: W/SAR	\$ 7733	\$ 20503	\$ 28236
ATL	\$ 4533	\$ 9811	\$ 14344
PAC	\$ 3199	\$ 10692	\$ 13892
TOTAL: WO/SAR	\$ 7733	\$ 5314	\$ 13047
ATL	\$ 4533	\$ 3105	\$ 7638
PAC	\$ 3199	\$ 2210	\$ 5409

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10939	\$ 13572	\$ 24512
ATL	\$ 6490	\$ 8052	\$ 14543
PAC	\$ 4449	\$ 5520	\$ 9969
FISH:	\$ 4730	\$ 7378	\$ 12108
ATL	\$ 2965	\$ 4625	\$ 7591
PAC	\$ 1765	\$ 2753	\$ 4518
TOTAL:	\$ 15669	\$ 20950	\$ 36620
ATL	\$ 9456	\$ 12678	\$ 22133
PAC	\$ 6214	\$ 8273	\$ 14486

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO	BENEFITS MINUS COST:
COMM:	4.0895	\$ 18518
ATL	4.0749	\$ 10974
PAC	4.1110	\$ 7544
FISH:	4.5857	\$ 9468
ATL	4.6920	\$ 5973
PAC	4.4174	\$ 3495
TOTAL: W/SAR	1.2969	\$ 8384
ATL	1.5430	\$ 7789
PAC	1.0428	\$ 595
TOTAL: WO/SAR	2.8067	\$ 23573
ATL	2.8977	\$ 14495
PAC	2.6783	\$ 9078

34 2 B 6A EP VHF-FM SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 2406023 ANNUAL O&M \$ 312792.

USER COST: UNIT COST \$ 200 QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 170. TO \$ 162. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: LOCATING 0.2900

S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2187.	\$ 1922.	\$ 4109.
ATL	\$ 1215.	\$ 1068.	\$ 2283.
PAC	\$ 972.	\$ 854.	\$ 1826.
SAR		\$ 60729.	\$ 60729.
ATL		\$ 35466.	
PAC		\$ 25262.	
COMM:	\$ 3691.	\$ 2303.	\$ 5994.
ATL	\$ 2198.	\$ 1371.	\$ 3569.
PAC	\$ 1493.	\$ 932.	\$ 2425.
FISH:	\$ 1581.	\$ 1060.	\$ 2640.
ATL	\$ 968.	\$ 649.	\$ 1618.
PAC	\$ 612.	\$ 411.	\$ 1023.
TOTAL: W/SAR	\$ 7459.	\$ 66014.	\$ 73472.
ATL	\$ 4381.	\$ 38555.	\$ 42936.
PAC	\$ 3077.	\$ 27459.	\$ 30536.
TOTAL: WO/SAR	\$ 7459.	\$ 5285.	\$ 12743.
ATL	\$ 4381.	\$ 3088.	\$ 7470.
PAC	\$ 3077.	\$ 2196.	\$ 5274.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 6807.	\$ 8446.	\$ 15254.
ATL	\$ 4039.	\$ 5011.	\$ 9050.
PAC	\$ 2769.	\$ 3435.	\$ 6204.
FISH:	\$ 2944.	\$ 4591.	\$ 7535.
ATL	\$ 1845.	\$ 2878.	\$ 4724.
PAC	\$ 1098.	\$ 1713.	\$ 2811.
TOTAL:	\$ 9751.	\$ 13038.	\$ 22789.
ATL	\$ 5884.	\$ 7889.	\$ 13774.
PAC	\$ 3867.	\$ 5148.	\$ 9015.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.5449	\$ 9260.
ATL	2.5358	\$ 5481.
PAC	2.5583	\$ 3779.
FISH:	2.8537	\$ 4895.
ATL	2.9199	\$ 3106.
PAC	2.7490	\$ 1789.
TOTAL: W/SAR	0.3102	\$ -50683.
ATL	0.3208	\$ -29162.
PAC	0.2952	\$ -21521.
TOTAL: WO/SAR	1.7883	\$ 10045.
ATL	1.8440	\$ 6304.
PAC	1.7093	\$ 3741.

35 2 B 6B EP 2182 SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 2228624. ANNUAL O&M \$ 259000.

USER COST: UNIT COST \$ 350. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 338. TO \$ 323. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.2517
S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.200 EP=1.000
PASS SHIP: ES=0.944 ET=1.000 EA=0.995 EL=0.200 EP=1.000 LOCATING RANGE= 16 N.M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2026.	\$ 1591.	\$ 3617.
ATL	\$ 1126.	\$ 884.	\$ 2010.
PAC	\$ 900.	\$ 707.	\$ 1608.
SAR		\$ 39510.	\$ 39510.
ATL		\$ 13988.	
PAC		\$ 25522.	
COMM:	\$ 7340.	\$ 4580.	\$ 11919.
ATL	\$ 4370.	\$ 2727.	\$ 7097.
PAC	\$ 2969.	\$ 1853.	\$ 4822.
FISH:	\$ 3143.	\$ 2108.	\$ 5251.
ATL	\$ 1926.	\$ 1291.	\$ 3217.
PAC	\$ 1217.	\$ 816.	\$ 2034.
TOTAL: W/SAR	\$ 12509.	\$ 47789.	\$ 60298.
ATL	\$ 7421.	\$ 18891.	\$ 26312.
PAC	\$ 5087.	\$ 28898.	\$ 33986.
TOTAL: WO/SAR	\$ 12509.	\$ 8279.	\$ 20788.
ATL	\$ 7421.	\$ 4902.	\$ 12324.
PAC	\$ 5087.	\$ 3377.	\$ 8464.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 7245.	\$ 8989.	\$ 16233.
ATL	\$ 4977.	\$ 6175.	\$ 11152.
PAC	\$ 2268.	\$ 2814.	\$ 5081.
FISH:	\$ 4361.	\$ 6801.	\$ 11162.
ATL	\$ 2993.	\$ 4669.	\$ 7662.
PAC	\$ 1367.	\$ 2133.	\$ 3500.
TOTAL:	\$ 11605.	\$ 15790.	\$ 27395.
ATL	\$ 7970.	\$ 10843.	\$ 18813.
PAC	\$ 3635.	\$ 4946.	\$ 8581.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.3619	\$ 4314.
ATL	1.5713	\$ 4055.
PAC	1.0537	\$ 259.
FISH:	2.1257	\$ 5911.
ATL	2.3815	\$ 4445.
PAC	1.7210	\$ 1466.
TOTAL: W/SAR	0.4543	\$ -32903.
ATL	0.7150	\$ -7499.
PAC	0.2525	\$ -25404.
TOTAL: WO/SAR	1.3178	\$ 6607.
ATL	1.5266	\$ 6489.
PAC	1.0139	\$ 118.

36 2 B 6C

EP UHF-AM SHIP DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 342868. ANNUAL O&M \$ 162200.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 170. TO \$ 162. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: LOCATING 0.2900

S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0. PERCENT
FISHING VESSELS:	FROM 10000 TO 10366	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 312.	\$ 997.	\$ 1308.
ATL	\$ 173.	\$ 554.	\$ 727.
PAC	\$ 139.	\$ 443.	\$ 581.
SAR		\$ 60729.	\$ 60729.
ATL		\$ 35466.	
PAC		\$ 25262.	
COMM:	\$ 3691.	\$ 2303.	\$ 5994.
ATL	\$ 2198.	\$ 1371.	\$ 3569.
PAC	\$ 1493.	\$ 932.	\$ 2425.
FISH:	\$ 1581.	\$ 1060.	\$ 2640.
ATL	\$ 968.	\$ 649.	\$ 1618.
PAC	\$ 612.	\$ 411.	\$ 1023.
TOTAL: W/SAR	\$ 5583.	\$ 65088.	\$ 70671.
ATL	\$ 3339.	\$ 38041.	\$ 41380.
PAC	\$ 2244.	\$ 27048.	\$ 29292.
TOTAL: WO/SAR	\$ 5583.	\$ 4360.	\$ 9943.
ATL	\$ 3339.	\$ 2574.	\$ 5913.
PAC	\$ 2244.	\$ 1785.	\$ 4029.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 6807.	\$ 8446.	\$ 15254.
ATL	\$ 4039.	\$ 5011.	\$ 9050.
PAC	\$ 2769.	\$ 3435.	\$ 6204.
FISH:	\$ 2944.	\$ 4591.	\$ 7535.
ATL	\$ 1845.	\$ 2878.	\$ 4724.
PAC	\$ 1098.	\$ 1713.	\$ 2811.
TOTAL:	\$ 9751.	\$ 13038.	\$ 22789.
ATL	\$ 5884.	\$ 7889.	\$ 13774.
PAC	\$ 3867.	\$ 5148.	\$ 9015.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.5449	\$ 9260.
ATL	2.5358	\$ 5481.
PAC	2.5583	\$ 3779.
FISH:	2.8537	\$ 4895.
ATL	2.9199	\$ 3106.
PAC	2.7490	\$ 1789.
TOTAL: W/SAR	0.3225	\$ -47883.
ATL	0.3329	\$ -27606.
PAC	0.3078	\$ -20277.
TOTAL: WO/SAR	2.2920	\$ 12846.
ATL	2.3292	\$ 7860.
PAC	2.2375	\$ 4986.

37 2 B 6D

EP121.5/243SHF DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 342868. ANNUAL O&M \$ 162200.

USER COST: UNIT COST \$ 225. QUANTITY OF 3000. LEARNING FACTOR 0.88
 PURCHASE PRICE: FROM \$ 217. TO \$ 207. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.3146

S&R UNITS: ES=0.800 ET=0.996 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.800 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:		CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0 PERCENT	
FISHING VESSELS:	FROM 10000. TO 10366.	0 PERCENT	
AIRCRAFT MONITOR:	YES	100 PERCENT	

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 312.	\$ 997.	\$ 1308.
ATL	\$ 173.	\$ 554.	\$ 727.
PAC	\$ 139.	\$ 443.	\$ 581.
SAR		\$ 56850.	\$ 56850.
ATL		\$ 23839.	
PAC		\$ 33011.	
COMM:	\$ 4718.	\$ 2944.	\$ 7663.
ATL	\$ 2809.	\$ 1753.	\$ 4562.
PAC	\$ 1909.	\$ 1191.	\$ 3100.
FISH:	\$ 2021.	\$ 1355.	\$ 3376.
ATL	\$ 1238.	\$ 830.	\$ 2068.
PAC	\$ 783.	\$ 525.	\$ 1307.
TOTAL: W/SAR	\$ 7051.	\$ 62146.	\$ 69197.
ATL	\$ 4221.	\$ 26976.	\$ 31197.
PAC	\$ 2830.	\$ 35170.	\$ 38000.
TOTAL: WO/SAR	\$ 7051.	\$ 5296.	\$ 12346.
ATL	\$ 4221.	\$ 3137.	\$ 7357.
PAC	\$ 2830.	\$ 2159.	\$ 4989.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 8373.	\$ 10389.	\$ 18762.
ATL	\$ 5398.	\$ 6697.	\$ 12095.
PAC	\$ 2975.	\$ 3691.	\$ 6666.
FISH:	\$ 3709.	\$ 5784.	\$ 9493.
ATL	\$ 2494.	\$ 3890.	\$ 6384.
PAC	\$ 1214.	\$ 1894.	\$ 3109.
TOTAL:	\$ 12082.	\$ 16173.	\$ 28255.
ATL	\$ 7892.	\$ 10588.	\$ 18480.
PAC	\$ 4190.	\$ 5585.	\$ 9775.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.4485	\$ 11099.
ATL	2.6511	\$ 7533.
PAC	2.1504	\$ 3566.
FISH:	2.8123	\$ 6117.
ATL	3.0869	\$ 4316.
PAC	2.3777	\$ 1801.
TOTAL: W/SAR	0.4083	\$ -40942.
ATL	0.5924	\$ -12717.
PAC	0.2572	\$ -28225.
TOTAL: WO/SAR	2.2885	\$ 15908.
ATL	2.5117	\$ 11122.
PAC	1.9593	\$ 4786.

38 2 B 6E

EP VHF-AM SHIP DF/H

LOCATING ONLY

GOVT COST: AC&I \$ 342868. ANNUAL O&M \$ 162200.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 170. TO \$ 162. NUMBER OF PRODUCERS 4.

SYSTEM EFFECTIVENESS: LOCATING 0.3041

S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985 TO 27022		0 PERCENT
FISHING VESSELS: FROM 10000 TO 10366		0 PERCENT
AIRCRAFT MONITOR: NO		0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 312.	\$ 997	\$ 1308.
ATL	\$ 173.	\$ 554	\$ 727.
PAC	\$ 139.	\$ 443	\$ 581.
SAR		\$ 53056	\$ 53056.
ATL		\$ 28887	
PAC		\$ 24169	
COMM:	\$ 3691.	\$ 2303.	\$ 5994.
ATL	\$ 2198.	\$ 1371	\$ 3569.
PAC	\$ 1493.	\$ 932	\$ 2425.
FISH:	\$ 1581.	\$ 1060.	\$ 2640.
ATL	\$ 968.	\$ 649	\$ 1618.
PAC	\$ 612.	\$ 411	\$ 1023.
TOTAL: W/SAR	\$ 5583.	\$ 57415.	\$ 62998.
ATL	\$ 3339.	\$ 31461	\$ 34800.
PAC	\$ 2244.	\$ 25954.	\$ 28198.
TOTAL: WO/SAR	\$ 5583.	\$ 4360.	\$ 9943.
ATL	\$ 3339.	\$ 2574.	\$ 5913.
PAC	\$ 2244.	\$ 1785.	\$ 4029.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 7139.	\$ 8858.	\$ 15997.
ATL	\$ 4236.	\$ 5255.	\$ 9491.
PAC	\$ 2904.	\$ 3603.	\$ 6506.
FISH:	\$ 3087.	\$ 4815.	\$ 7902.
ATL	\$ 1935.	\$ 3019.	\$ 4954.
PAC	\$ 1152.	\$ 1796.	\$ 2948.
TOTAL:	\$ 10226.	\$ 13673.	\$ 23899.
ATL	\$ 6171.	\$ 8274.	\$ 14445.
PAC	\$ 4055.	\$ 5399.	\$ 9454.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.6689	\$ 10003.
ATL	2.6594	\$ 5922.
PAC	2.6829	\$ 4081.
FISH:	2.9927	\$ 5262.
ATL	3.0622	\$ 3336.
PAC	2.8829	\$ 1926.
TOTAL: W/SAR	0.3794	\$ -39099.
ATL	0.4151	\$ -20356.
PAC	0.3353	\$ -18743.
TOTAL: WO/SAR	2.4037	\$ 13957.
ATL	2.4427	\$ 8531.
PAC	2.3465	\$ 5425.

39 2 B 7AS EP 121.5/243 DOP OS

LOCATING ONLY

GOVT COST: AC&I \$ 28380000. ANNUAL O&M \$ 917000.

USER COST: UNIT COST \$ 225. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 217 TO \$ 207. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.4031

S&R UNITS: ES=0.750 ET=1.000 EA=0.995 EL=0.990 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.750 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:		CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022		0. PERCENT
FISHING VESSELS:	FROM 10000 TO 10366		0. PERCENT
AIRCRAFT MONITOR:	YES		100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 25800.	\$ 5635.	\$ 31435.
ATL	\$ 14333.	\$ 3130.	\$ 17464.
PAC	\$ 11467.	\$ 2504.	\$ 13971.
SAR		\$ 13093.	\$ 13093.
ATL		\$ 5791.	
PAC		\$ 7302.	
COMM	\$ 4718.	\$ 2944.	\$ 7663.
ATL	\$ 2809.	\$ 1753.	\$ 4562.
PAC	\$ 1909.	\$ 1191.	\$ 3100.
FISH:	\$ 2021.	\$ 1355.	\$ 3376.
ATL	\$ 1238.	\$ 830.	\$ 2068.
PAC	\$ 783.	\$ 525.	\$ 1307.
TOTAL: W/SAR	\$ 32539.	\$ 23027.	\$ 55566.
ATL	\$ 18381.	\$ 11504.	\$ 29885.
PAC	\$ 14158.	\$ 11523.	\$ 25681.
TOTAL: WO/SAR	\$ 32539.	\$ 9934.	\$ 42473.
ATL	\$ 18381.	\$ 5714.	\$ 24094.
PAC	\$ 14158.	\$ 4220.	\$ 18378.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 9956.	\$ 12353.	\$ 22310.
ATL	\$ 6123.	\$ 7597.	\$ 13720.
PAC	\$ 3833.	\$ 4756.	\$ 8589.
FISH:	\$ 4349.	\$ 6784.	\$ 11133.
ATL	\$ 2812.	\$ 4386.	\$ 7199.
PAC	\$ 1537.	\$ 2397.	\$ 3934.
TOTAL:	\$ 14306.	\$ 19137.	\$ 33443.
ATL	\$ 8935.	\$ 11984.	\$ 20919.
PAC	\$ 5370.	\$ 7153.	\$ 12523.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.9115	\$ 14647.
ATL	3.0073	\$ 9158.
PAC	2.7707	\$ 5489.
FISH:	3.2981	\$ 7757.
ATL	3.4807	\$ 5131.
PAC	3.0091	\$ 2627.
TOTAL: W/SAR	0.6019	\$ -22123.
ATL	0.7000	\$ -8966.
PAC	0.4877	\$ -13157.
TOTAL: WO/SAR	0.7874	\$ -9030.
ATL	0.8682	\$ -3175.
PAC	0.6814	\$ -5855.

40 2 B 7AD EP 121.5/243 DOP OS

LOCATING ONLY

GOVT COST: AC&I \$ 102000000. ANNUAL O&M \$ 1059800.

USER COST: UNIT COST \$ 225 QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 217. TO \$ 207. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: LOCATING 0.4031

S&R UNITS: ES=0.750 ET=1.000 EA=0.995 EL=0.990 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.750 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:		CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT	
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT	
AIRCRAFT MONITOR:	YES	100. PERCENT	

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 92727.	\$ 6512.	\$ 99239.
ATL	\$ 51515.	\$ 3618.	\$ 55133.
PAC	\$ 41212.	\$ 2894.	\$ 44106.
SAR		\$ 13093.	\$ 13093.
ATL		\$ 5791.	
PAC		\$ 7302.	
COMM:	\$ 4718.	\$ 2944.	\$ 7663.
ATL	\$ 2809.	\$ 1753.	\$ 4562.
PAC	\$ 1909.	\$ 1191.	\$ 3100.
FISH:	\$ 2021.	\$ 1355.	\$ 3376.
ATL	\$ 1238.	\$ 830.	\$ 2068.
PAC	\$ 783.	\$ 525.	\$ 1307.
TOTAL: W/SAR	\$ 99466.	\$ 23904.	\$ 123371.
ATL	\$ 55563.	\$ 11992.	\$ 67554.
PAC	\$ 43904.	\$ 11913.	\$ 55816.
TOTAL: WO/SAR	\$ 99466.	\$ 10811.	\$ 110277.
ATL	\$ 55563.	\$ 6201.	\$ 61764.
PAC	\$ 43904.	\$ 4610.	\$ 48514.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 9956.	\$ 12353.	\$ 22310.
ATL	\$ 6123.	\$ 7597.	\$ 13720.
PAC	\$ 3833.	\$ 4756.	\$ 8589.
FISH:	\$ 4349.	\$ 6784.	\$ 11133.
ATL	\$ 2812.	\$ 4386.	\$ 7199.
PAC	\$ 1537.	\$ 2397.	\$ 3934.
TOTAL:	\$ 14306.	\$ 19137.	\$ 33443.
ATL	\$ 8935.	\$ 11984.	\$ 20919.
PAC	\$ 5370.	\$ 7153.	\$ 12523.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.9115	\$ 14647.
ATL	3.0073	\$ 9158.
PAC	2.7707	\$ 5489.
FISH:	3.2981	\$ 7757.
ATL	3.4807	\$ 5131.
PAC	3.0091	\$ 2627.
TOTAL: W/SAR	0.2711	\$ -89928.
ATL	0.3097	\$ -46635.
PAC	0.2244	\$ -43293.
TOTAL: WO/SAR	0.3033	\$ -76835.
ATL	0.3387	\$ -40844.
PAC	0.2581	\$ -35990.

41 2 B /BS EP 406 REXM NAVA GS LOCATING ONLY

GOVT COST: AC&I \$ 61580000. ANNUAL O&M \$ 917000.

USER COST: UNIT COST \$ 750. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 687. TO \$ 655. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: LOCATING 0.4692
S&R UNITS: ES=0.944 ET=1.000 EA=0.995 EL=0.999 EP=1.000
PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	FV O & E	TOTAL
GOVT:	\$ 55982.	\$ 5635	\$ 61616.
ATL	\$ 31101.	\$ 3130	\$ 34231.
PAC	\$ 24881.	\$ 2504	\$ 27385.
SAR		\$ 12684.	\$ 12684.
ATL		\$ 5564	
PAC		\$ 7120	
COMM:	\$ 14915.	\$ 9307.	\$ 24222.
ATL	\$ 8881.	\$ 5542.	\$ 14422.
PAC	\$ 6034	\$ 3765.	\$ 9800.
FISH:	\$ 6387.	\$ 4283.	\$ 10670.
ATL	\$ 3913.	\$ 2624.	\$ 6538.
PAC	\$ 2474.	\$ 1659.	\$ 4133.
TOTAL: W/SAR	\$ 77284.	\$ 31909.	\$ 109193.
ATL	\$ 43895.	\$ 16860.	\$ 60756.
PAC	\$ 33389.	\$ 15048.	\$ 48437.
TOTAL: WO/SAR	\$ 77284.	\$ 19225.	\$ 96509.
ATL	\$ 43895.	\$ 11296.	\$ 55191.
PAC	\$ 33389.	\$ 7929.	\$ 41318.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11013.	\$ 13664.	\$ 24677.
ATL	\$ 6534	\$ 8107.	\$ 14641.
PAC	\$ 4479.	\$ 5557.	\$ 10036.
FISH:	\$ 4762.	\$ 7428.	\$ 12190.
ATL	\$ 2985.	\$ 4656.	\$ 7642.
PAC	\$ 1777.	\$ 2771.	\$ 4548.
TOTAL:	\$ 15775.	\$ 21092.	\$ 36867.
ATL	\$ 9519.	\$ 12763.	\$ 22283.
PAC	\$ 6256.	\$ 8328.	\$ 14584.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.0188	\$ 455
ATL	1.0151	\$ 218
PAC	1.0241	\$ 236.
FISH:	1.1424	\$ 1519.
ATL	1.1689	\$ 1104.
PAC	1.1005	\$ 415.
TOTAL: W/SAR	0.3376	\$ -72326
ATL	0.3668	\$ -38473.
PAC	0.3011	\$ -33853.
TOTAL: WO/SAR	0.3820	\$ -59642.
ATL	0.4037	\$ -32909.
PAC	0.3530	\$ -26733.

42 2 B 7BD EP 406 REXM NAVA GS LOCATING ONLY

GOVT COST: AC&I \$ 113210000. ANNUAL O&M \$ 1059800.

USER COST: UNIT COST \$ 750. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 687. TO \$ 655. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: LOCATING 0.4692

S&R UNITS: ES=0.944 ET=1.000 EA=0.995 EL=0.999 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	FV O & E	TOTAL
GOVT:	\$ 102918.	\$ 6512.	\$ 109430.
ATL	\$ 57177.	\$ 3618.	\$ 60795.
PAC	\$ 45741.	\$ 2894.	\$ 48636.
SAR		\$ 12684.	\$ 12684.
ATL		\$ 5564.	
PAC		\$ 7120.	
COMM:	\$ 14915.	\$ 9307.	\$ 24222.
ATL	\$ 8881.	\$ 5542.	\$ 14422.
PAC	\$ 6034.	\$ 3765.	\$ 9800.
FISH:	\$ 6787.	\$ 4283.	\$ 10670.
ATL	\$ 3913.	\$ 2624.	\$ 6538.
PAC	\$ 2474.	\$ 1659.	\$ 4133.
TOTAL: W/SAR	\$ 124220.	\$ 32786.	\$ 157007.
ATL	\$ 69971.	\$ 17348.	\$ 87319.
PAC	\$ 54250.	\$ 15438.	\$ 69688.
TOTAL: WO/SAR	\$ 124220.	\$ 30102.	\$ 144323.
ATL	\$ 69971.	\$ 11784.	\$ 81754.
PAC	\$ 54250.	\$ 8319.	\$ 62568.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11013.	\$ 13664.	\$ 24677.
ATL	\$ 6534.	\$ 8107.	\$ 14641.
PAC	\$ 4479.	\$ 5557.	\$ 10036.
FISH:	\$ 4762.	\$ 7428.	\$ 12190.
ATL	\$ 2985.	\$ 4656.	\$ 7642.
PAC	\$ 1777.	\$ 2771.	\$ 4548.
TOTAL:	\$ 15775.	\$ 21092.	\$ 36867.
ATL	\$ 9519.	\$ 12763.	\$ 22283.
PAC	\$ 6256.	\$ 8328.	\$ 14584.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.0188	\$ 455.
ATL	1.0151	\$ 218.
PAC	1.0241	\$ 236.
FISH:	1.1424	\$ 1519.
ATL	1.1689	\$ 1104.
PAC	1.1005	\$ 415.
TOTAL: W/SAR	0.2348	\$ -120140.
ATL	0.2552	\$ -65036.
PAC	0.2093	\$ -55104.
TOTAL: WO/SAR	0.2554	\$ -107456.
ATL	0.2726	\$ -59472.
PAC	0.2331	\$ -47984.

43 2 B 7CS EP 406 REXM NAVA OS

LOCATING ONLY

GOVT COST: AC&I \$ 28384100. ANNUAL O&M \$ 917000.

USER COST: UNIT COST \$ 750. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 687. TO \$ 655. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: LOCATING 0.4692

S&R UNITS: ES=0.944 ET=1.000 EA=0.995 EL=0.999 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 25804.	\$ 5635.	\$ 31438.
ATL	\$ 14335.	\$ 3130.	\$ 17466.
PAC	\$ 11468.	\$ 2504.	\$ 13973.
SAR		\$ 12684.	\$ 12684.
ATL		\$ 5564.	
PAC		\$ 7120.	
COMM:	\$ 14915.	\$ 9307.	\$ 24222.
ATL	\$ 8881.	\$ 5542.	\$ 14422.
PAC	\$ 6034.	\$ 3765.	\$ 9800.
FISH:	\$ 6387.	\$ 4283.	\$ 10670.
ATL	\$ 3913.	\$ 2624.	\$ 6538.
PAC	\$ 2474.	\$ 1659.	\$ 4133.
TOTAL: W/SAR	\$ 47106.	\$ 31909.	\$ 79015.
ATL	\$ 27129.	\$ 16860.	\$ 43990.
PAC	\$ 19976.	\$ 15048.	\$ 35025.
TOTAL: WO/SAR	\$ 47106.	\$ 19225.	\$ 66331.
ATL	\$ 27129.	\$ 11296.	\$ 38426.
PAC	\$ 19976.	\$ 7929.	\$ 27905.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11013.	\$ 13664.	\$ 24677.
ATL	\$ 6534.	\$ 8107.	\$ 14641.
PAC	\$ 4479.	\$ 5557.	\$ 10036.
FISH:	\$ 4762.	\$ 7428.	\$ 12190.
ATL	\$ 2985.	\$ 4656.	\$ 7642.
PAC	\$ 1777.	\$ 2771.	\$ 4548.
TOTAL:	\$ 15775.	\$ 21092.	\$ 36867.
ATL	\$ 9519.	\$ 12763.	\$ 22283.
PAC	\$ 6256.	\$ 8328.	\$ 14584.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.0188	\$ 455.
ATL	1.0151	\$ 218.
PAC	1.0241	\$ 236.
FISH:	1.1424	\$ 1519.
ATL	1.1689	\$ 1104.
PAC	1.1005	\$ 415.
TOTAL: W/SAR	0.4666	\$ -42148.
ATL	0.5065	\$ -21707.
PAC	0.4164	\$ -20441.
TOTAL: WO/SAR	0.5558	\$ -29464.
ATL	0.5799	\$ -16143.
PAC	0.5226	\$ -13321.

44 2 B 700 EP 406 REXM NAVA OS

LOCATING ONLY

GOVT COST: AC&I \$ 101978400. ANNUAL O&M \$ 1059800.

USER COST: UNIT COST \$ 750. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 687. TO \$ 655. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: LOCATING 0.4692

S&R UNITS: ES=0.944 EF=1.000 EA=0.995 EL=0.999 EP=1.000

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0 PERCENT
FISHING VESSELS:	FROM 10000 TO 10366	0 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 92708.	\$ 6512.	\$ 99220.
ATL	\$ 51504.	\$ 3618.	\$ 55122.
PAC	\$ 41203.	\$ 2894.	\$ 44098.
SAR		\$ 12684.	\$ 12684.
ATL		\$ 5564.	
PAC		\$ 7120.	
COMM:	\$ 14915.	\$ 9307.	\$ 24222.
ATL	\$ 8881.	\$ 5542.	\$ 14422.
PAC	\$ 6034.	\$ 3765.	\$ 9800.
FISH:	\$ 6387.	\$ 4283.	\$ 10670.
ATL	\$ 3913.	\$ 2624.	\$ 6538.
PAC	\$ 2474.	\$ 1659.	\$ 4133.
TOTAL: W/SAR	\$ 114010.	\$ 32786.	\$ 146796.
ATL	\$ 64298.	\$ 17348.	\$ 81646.
PAC	\$ 49712.	\$ 15438.	\$ 65150.
TOTAL: WO/SAR	\$ 114010.	\$ 20102.	\$ 134112.
ATL	\$ 64298.	\$ 11784.	\$ 76082.
PAC	\$ 49712.	\$ 8319.	\$ 58030.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11013.	\$ 13664.	\$ 24677.
ATL	\$ 6534.	\$ 8107.	\$ 14641.
PAC	\$ 4479.	\$ 5557.	\$ 10036.
FISH:	\$ 4762.	\$ 7428.	\$ 12190.
ATL	\$ 2985.	\$ 4656.	\$ 7642.
PAC	\$ 1777.	\$ 2771.	\$ 4548.
TOTAL:	\$ 15775.	\$ 21092.	\$ 36867.
ATL	\$ 9519.	\$ 12763.	\$ 22283.
PAC	\$ 6256.	\$ 8328.	\$ 14584.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.0188	\$ 455.
ATL	1.0151	\$ 218.
PAC	1.0241	\$ 236.
FISH:	1.1424	\$ 1519.
ATL	1.1689	\$ 1104.
PAC	1.1005	\$ 415.
TOTAL: W/SAR	0.2511	\$ -109929.
ATL	0.2729	\$ -59364.
PAC	0.2239	\$ -50566.
TOTAL: WO/SAR	0.2749	\$ -97245.
ATL	0.2929	\$ -53799.
PAC	0.2513	\$ -43446.

54

45 2 B 8A SUR 500 SHORE DF LOCATING ONLY

GOVT COST: AC&I \$ 1200000 ANNUAL O&M \$ 806000

USER COST: UNIT COST \$ 3000 QUANTITY OF 3651 LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 2973 TO \$ 2736 NUMBER OF PRODUCERS 5

SYSTEM EFFECTIVENESS: LOCATING 0.4091

SAR UNITS: ES=0.980 ET=0.996 EA=0.995 EL=0.950 EP=0.000

PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EL=0.950 EP=1.000 LOCATING RANGE= 20 N.M.

SYSTEM CARRIAGE AND WATCH

	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	100 PERCENT
FISHING VESSELS:	FROM 0 TO 0	0 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

COST (\$000) A C & I PV O & E TOTAL

GOVT:	\$ 1091	\$ 4953	\$ 6043
ATL	\$ 606	\$ 2751	\$ 3357
PAC	\$ 485	\$ 2201	\$ 2686
SAR		\$ 15230	\$ 15230
ATL		\$ 5955	
PAC		\$ 9275	
COMM	\$ 64299	\$ 40194	\$ 104493
ATL	\$ 38285	\$ 23932	\$ 62217
PAC	\$ 26014	\$ 16262	\$ 42276
FISH	\$ 0	\$ 0	\$ 0
ATL	\$ 0	\$ 0	\$ 0
PAC	\$ 0	\$ 0	\$ 0
TOTAL: W/SAR	\$ 65390	\$ 60376	\$ 125766
ATL	\$ 38891	\$ 32639	\$ 71530
PAC	\$ 26499	\$ 27737	\$ 54236
TOTAL: WO/SAR	\$ 65390	\$ 45146	\$ 110536
ATL	\$ 38891	\$ 26684	\$ 65575
PAC	\$ 26499	\$ 18463	\$ 44962

BENEFITS (\$000) FATALITIES PROP DAMAGE TOTAL

COMM	\$ 11410	\$ 14156	\$ 25566
ATL	\$ 6954	\$ 8629	\$ 15583
PAC	\$ 4455	\$ 5528	\$ 9983
FISH	\$ 0	\$ 0	\$ 0
ATL	\$ 0	\$ 0	\$ 0
PAC	\$ 0	\$ 0	\$ 0
TOTAL:	\$ 11410	\$ 14156	\$ 25566
ATL	\$ 6954	\$ 8629	\$ 15583
PAC	\$ 4455	\$ 5528	\$ 9983

MEASURES OF EFFECTIVENESS BENEFIT COST RATIO BENEFITS MINUS COST

COMM	0.2447	\$ -78927
ATL	0.2505	\$ -46634
PAC	0.2361	\$ -32293
FISH	NOT APPLICABLE	\$ 0
ATL	NOT APPLICABLE	\$ 0
PAC	NOT APPLICABLE	\$ 0
TOTAL: W/SAR	0.2033	\$ -100200
ATL	0.2179	\$ -55947
PAC	0.1841	\$ -44254
TOTAL: WO/SAR	0.2313	\$ -84970
ATL	0.2376	\$ -49992
PAC	0.2220	\$ -34979

46 2 B 8B SUR 8364 SHORE DF LOCATING ONLY

GOVT COST: AC&I \$ 0. ANNUAL O&M \$ 10000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862. TO \$ 807. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.2140
S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.650 EP=GEOGRAPHIC
PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 0.	\$ 61.	\$ 61.
ATL	\$ 0.	\$ 34.	\$ 34.
PAC	\$ 0.	\$ 27.	\$ 27.
SAR		\$ 71815.	\$ 71815.
ATL		\$ 35128.	
PAC		\$ 36687.	
COMM:	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 18674.	\$ 83540.	\$ 102214.
ATL	\$ 11119.	\$ 42107.	\$ 53226.
PAC	\$ 7555.	\$ 41433.	\$ 48988.
TOTAL: WO/SAR	\$ 18674.	\$ 11725.	\$ 30399.
ATL	\$ 11119.	\$ 6979.	\$ 18098.
PAC	\$ 7555.	\$ 4746.	\$ 12301.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 5423.	\$ 6729.	\$ 12152.
ATL	\$ 3511.	\$ 4356.	\$ 7868.
PAC	\$ 1912.	\$ 2372.	\$ 4285.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 5423.	\$ 6729.	\$ 12152.
ATL	\$ 3511.	\$ 4356.	\$ 7868.
PAC	\$ 1912.	\$ 2372.	\$ 4285.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4006	\$ -18185.
ATL	0.4356	\$ -10196.
PAC	0.3491	\$ -7989.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1189	\$ -90062.
ATL	0.1478	\$ -45358.
PAC	0.0875	\$ -44703.
TOTAL: WO/SAR	0.3998	\$ -18247.
ATL	0.4347	\$ -10230.
PAC	0.3483	\$ -8017.

4/ 2 B 9A SUR 500 A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 1991800. ANNUAL O&M \$ 70200

USER COST: UNIT COST \$ 3000. QUANTITY OF 3651. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 2973. TO \$ 2736. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4058
S&R UNITS: ES=0.980 ET=0.996 EA=0.995 EL=0.900 EP=0.000
PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EL=0.900 EP=1.000 LOCATING RANGE= 20. N.M.

SYSTEM CARRIAGE AND WATCH:

	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)

	A C & I	PV O & E	TOTAL
GOVT:	\$ 1811.	\$ 431.	\$ 2242.
ATL	\$ 1006.	\$ 240.	\$ 1246.
PAC	\$ 805.	\$ 192.	\$ 996.
SAR		\$ 15505.	\$ 15505.
ATL		\$ 5964.	
PAC		\$ 9542.	
COMM:	\$ 64299.	\$ 40194.	\$ 104493.
ATL	\$ 38285.	\$ 23932.	\$ 62217.
PAC	\$ 26014.	\$ 16262.	\$ 42276.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 66110.	\$ 56130.	\$ 122240.
ATL	\$ 39291.	\$ 30135.	\$ 69426.
PAC	\$ 26819.	\$ 25995.	\$ 52814.
TOTAL: WO/SAR	\$ 66110.	\$ 40625.	\$ 106735.
ATL	\$ 39291.	\$ 24172.	\$ 63463.
PAC	\$ 26819.	\$ 16453.	\$ 43272.

BENEFITS: (\$000)

	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 11382.	\$ 14123.	\$ 25505.
ATL	\$ 6953.	\$ 8626.	\$ 15579.
PAC	\$ 4430.	\$ 5496.	\$ 9926.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11382.	\$ 14123.	\$ 25505.
ATL	\$ 6953.	\$ 8626.	\$ 15579.
PAC	\$ 4430.	\$ 5496.	\$ 9926.

MEASURES OF EFFECTIVENESS

	BENEFIT COST RATIO	BENEFITS MINUS COST:
COMM:	0.2441	\$ -78988
ATL	0.2504	\$ -46638
PAC	0.2348	\$ -32350
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2086	\$ -96735
ATL	0.2244	\$ -53847
PAC	0.1879	\$ -42888
TOTAL: WO/SAR	0.2390	\$ -81230
ATL	0.2455	\$ -47884
PAC	0.2294	\$ -33346

48 2 B 9B SUR 2182 A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 1991800 ANNUAL O&M \$ 70200

USER COST: UNIT COST \$ 900 QUANTITY OF 3000 LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 824 TO \$ 786 NUMBER OF PRODUCERS 6

SYSTEM EFFECTIVENESS: LOCATING 0.3806

SAR UNITS: ES=0.880 ET=0.996 EA=0.995 EL=0.850 EP=0.000

PHSS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.850 EP=1.000 LOCATING RANGE= 32. N.M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	10 PERCENT
FISHING VESSELS:	FROM 10000 TO 10366	90 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1811	\$ 431	\$ 2242
ATL	\$ 1006	\$ 240	\$ 1246
PAC	\$ 805	\$ 192	\$ 996
SAR		\$ 14582	\$ 14582
ATL		\$ 6090	
PAC		\$ 8492	
COMM:	\$ 17898	\$ 11168	\$ 29066
ATL	\$ 10657	\$ 6650	\$ 17307
PAC	\$ 7241	\$ 4518	\$ 11760
FISH:	\$ 7665	\$ 5140	\$ 12805
ATL	\$ 4696	\$ 3149	\$ 7845
PAC	\$ 2969	\$ 1991	\$ 4959
TOTAL: W/SAR	\$ 27373	\$ 31322	\$ 58695
ATL	\$ 16359	\$ 16129	\$ 32488
PAC	\$ 11015	\$ 15193	\$ 26207
TOTAL: WD/SAR	\$ 27373	\$ 16740	\$ 44113
ATL	\$ 16359	\$ 10039	\$ 26398
PAC	\$ 11015	\$ 6701	\$ 17715

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 10404	\$ 12908	\$ 23312
ATL	\$ 6694	\$ 8306	\$ 15000
PAC	\$ 3710	\$ 4603	\$ 8312
FISH:	\$ 4971	\$ 7753	\$ 12723
ATL	\$ 3173	\$ 4949	\$ 8122
PAC	\$ 1797	\$ 2804	\$ 4601
TOTAL:	\$ 15374	\$ 20661	\$ 36036
ATL	\$ 9867	\$ 13255	\$ 23122
PAC	\$ 5507	\$ 7406	\$ 12913

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.8020	\$ -5754
ATL	0.8667	\$ -2307
PAC	0.7068	\$ -3447
FISH:	0.9937	\$ -81
ATL	1.0353	\$ 277
PAC	0.9278	\$ -358
TOTAL: W/SAR	0.6139	\$ -22659
ATL	0.7117	\$ -9366
PAC	0.4927	\$ -13294
TOTAL: WD/SAR	0.8169	\$ -8077
ATL	0.8759	\$ -3275
PAC	0.7289	\$ -4802

49 2 B 9C SUR 8364 A/C DF/H LOCATING ONLY

GOVT COST: AC&I \$ 1205200. ANNUAL O&M \$ 46800.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862 TO \$ 807. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.3095

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.940 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0 PERCENT
FISHING VESSELS:	FROM 0.10 0.	0 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1096.	\$ 288	\$ 1383.
ATL	\$ 609.	\$ 160.	\$ 768.
PAC	\$ 487.	\$ 128.	\$ 615.
SAR		\$ 43097.	\$ 43097.
ATL		\$ 15262.	
PAC		\$ 27835.	
COMM:	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 19770.	\$ 55048.	\$ 74817.
ATL	\$ 11728.	\$ 22366.	\$ 34094.
PAC	\$ 8042.	\$ 32682.	\$ 40724.
TOTAL: WO/SAR	\$ 19770.	\$ 11951.	\$ 31721.
ATL	\$ 11728.	\$ 7104.	\$ 18832.
PAC	\$ 8042.	\$ 4847.	\$ 12889.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 7843.	\$ 9731.	\$ 17574.
ATL	\$ 5078.	\$ 6300.	\$ 11378.
PAC	\$ 2765.	\$ 3431.	\$ 6196.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 7843.	\$ 9731.	\$ 17574.
ATL	\$ 5078.	\$ 6300.	\$ 11378.
PAC	\$ 2765.	\$ 3431.	\$ 6196.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.5793	\$ -12763.
ATL	0.6299	\$ -6686.
PAC	0.5048	\$ -6078.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2349	\$ -57243.
ATL	0.3337	\$ -22716.
PAC	0.1522	\$ -34527.
TOTAL: WO/SAR	0.5540	\$ -14147.
ATL	0.6042	\$ -7454.
PAC	0.4808	\$ -6692.

50 2 B10A SUR 500 SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 8078686. ANNUAL O&M \$ 474600.

USER COST: UNIT COST \$ 3000. QUANTITY OF 3651. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 2973. TO \$ 2736. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.4084

S&R UNITS: ES=0.980 ET=0.996 EA=0.995 EL=0.940 EP=0.000

PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EL=0.940 EP=1.000 LOCATING RANGE= 20. N.M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 7344.	\$ 2916.	\$ 10260.
ATL	\$ 4080.	\$ 1620.	\$ 5700.
PAC	\$ 3264.	\$ 1296.	\$ 4560.
SAR		\$ 15250.	\$ 15250.
ATL		\$ 5957.	
PAC		\$ 9293.	
COMM:	\$ 64299.	\$ 40194.	\$ 104493.
ATL	\$ 38285.	\$ 23932.	\$ 62217.
PAC	\$ 26014.	\$ 16262.	\$ 42276.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 71643.	\$ 58359.	\$ 130003.
ATL	\$ 42365.	\$ 31509.	\$ 73874.
PAC	\$ 29278.	\$ 26850.	\$ 56128.
TOTAL: WO/SAR	\$ 71643.	\$ 43110.	\$ 114753.
ATL	\$ 42365.	\$ 25552.	\$ 67917.
PAC	\$ 29278.	\$ 17558.	\$ 46836.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 11404.	\$ 14150.	\$ 25554.
ATL	\$ 6954.	\$ 8628.	\$ 15582.
PAC	\$ 4450.	\$ 5522.	\$ 9972.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 11404.	\$ 14150.	\$ 25554.
ATL	\$ 6954.	\$ 8628.	\$ 15582.
PAC	\$ 4450.	\$ 5522.	\$ 9972.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.2446	\$ -78939.
ATL	0.2504	\$ -46635.
PAC	0.2359	\$ -32304.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1966	\$ -104449.
ATL	0.2109	\$ -58292.
PAC	0.1777	\$ -46157.
TOTAL: WO/SAR	0.2227	\$ -89199.
ATL	0.2294	\$ -52335.
PAC	0.2129	\$ -36864.

51 2 8108 SUR 2182 SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 6222344. ANNUAL O&M \$ 421680.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 824. TO \$ 786. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: LOCATING 0.3653

S&R UNITS: ES=0.880 EF=0.996 EA=0.995 EL=0.700 EP=0.000

PASS SHIP: ES=0.880 EF=1.000 EA=0.995 EL=0.700 EP=1.000 LOCATING RANGE= 32. N. M.

SYSTEM CARRIAGE AND WATCH:		CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.		10. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.		90. PERCENT
AIRCRAFT MONITOR:	NO		0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 5657.	\$ 2591.	\$ 8248.
ATL	\$ 3143	\$ 1439.	\$ 4582.
PAC	\$ 2514.	\$ 1152.	\$ 3666.
SAR		\$ 15543.	\$ 15543.
ATL		\$ 6653.	
PAC		\$ 8890.	
COMM:	\$ 17898.	\$ 11168.	\$ 29066.
ATL	\$ 10657.	\$ 6650.	\$ 17307.
PAC	\$ 7241	\$ 4518.	\$ 11760.
FISH:	\$ 7665.	\$ 5140.	\$ 12805.
ATL	\$ 4696	\$ 3149.	\$ 7845.
PAC	\$ 2969.	\$ 1991.	\$ 4959.
TOTAL: W/SAR	\$ 31219.	\$ 34442.	\$ 65662.
ATL	\$ 18496.	\$ 17891.	\$ 36387.
PAC	\$ 12724.	\$ 16551.	\$ 29275.
TOTAL: WO/SAR	\$ 31219.	\$ 18899.	\$ 50119.
ATL	\$ 18496.	\$ 11238.	\$ 29734.
PAC	\$ 12724.	\$ 7661.	\$ 20385.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 10103.	\$ 12536.	\$ 22639.
ATL	\$ 6577.	\$ 8160.	\$ 14737.
PAC	\$ 3526.	\$ 4375.	\$ 7902.
FISH:	\$ 4945.	\$ 7713.	\$ 12658.
ATL	\$ 3169.	\$ 4942.	\$ 8111.
PAC	\$ 1776.	\$ 2771.	\$ 4547.
TOTAL:	\$ 15048.	\$ 20248.	\$ 35297.
ATL	\$ 9746.	\$ 13102.	\$ 22848.
PAC	\$ 5303.	\$ 7146.	\$ 12449.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0. 7789	\$ -6427.
ATL	0. 8515	\$ -2569.
PAC	0. 6719	\$ -3858.
FISH:	0. 9885	\$ -147.
ATL	1. 0338	\$ 265.
PAC	0. 9168	\$ -412.
TOTAL: W/SAR	0. 5376	\$ -30365.
ATL	0. 6279	\$ -13539.
PAC	0. 4252	\$ -16826.
TOTAL: WO/SAR	0. 7043	\$ -14822.
ATL	0. 7684	\$ -6886.
PAC	0. 6107	\$ -7936.

52 2 B10C SUR 8364 SHIP DF/H LOCATING ONLY

GOVT COST: AC&I \$ 2435200. ANNUAL O&M \$ 259000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862. TO \$ 807. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: LOCATING 0.2832

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.860 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2214.	\$ 1591.	\$ 3805.
ATL	\$ 1230.	\$ 884.	\$ 2114.
PAC	\$ 984.	\$ 707.	\$ 1691.
SAR		\$ 48272.	\$ 48272.
ATL		\$ 18552.	
PAC		\$ 29720.	
COMM	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 20888.	\$ 61527.	\$ 82415.
ATL	\$ 12349.	\$ 26381.	\$ 38730.
PAC	\$ 8539.	\$ 35146.	\$ 43686.
TOTAL: WO/SAR	\$ 20888.	\$ 13255.	\$ 34143.
ATL	\$ 12349.	\$ 7829.	\$ 20178.
PAC	\$ 8539.	\$ 5426.	\$ 13965.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM	\$ 7175.	\$ 8903.	\$ 16078.
ATL	\$ 4646.	\$ 5764.	\$ 10409.
PAC	\$ 2530.	\$ 3139.	\$ 5669.
FISH	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 7175.	\$ 8903.	\$ 16078.
ATL	\$ 4646.	\$ 5764.	\$ 10409.
PAC	\$ 2530.	\$ 3139.	\$ 5669.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.5300	\$ -14259.
ATL	0.5763	\$ -7654.
PAC	0.4619	\$ -6605.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.1951	\$ -66337.
ATL	0.2688	\$ -28320.
PAC	0.1298	\$ -38017.
TOTAL: WO/SAR	0.4709	\$ -18064.
ATL	0.5159	\$ -9768.
PAC	0.4059	\$ -8296.

53 3 B 1A INST 500 A&R LOC ALERTING AND LOCATING

GOVT COST: AC&I \$ 552000. ANNUAL O&M \$ 767200.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9997 ALERTING 0.4999 LOCATING 0.4999
SHORE: ES=0.990 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.990 EP=GEOGRAPHIC
PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE=270. N. M.
PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.990 EP=1.000 LOCATING RANGE=270. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	100 PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

LOST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 502.	\$ 4714.	\$ 5216.
ATL	\$ 279.	\$ 2619.	\$ 2898.
PAC	\$ 223.	\$ 2095.	\$ 2318.
SAR		\$ 13051.	\$ 13051.
ATL		\$ 5778.	
PAC		\$ 7273.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 363446.	\$ 244842.	\$ 608288.
ATL	\$ 216383.	\$ 143603.	\$ 359986.
PAC	\$ 147063.	\$ 101239.	\$ 248302.
TOTAL: WO/SAR	\$ 363446.	\$ 231791.	\$ 595237.
ATL	\$ 216383.	\$ 137825.	\$ 354208.
PAC	\$ 147063.	\$ 93966.	\$ 241029.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 23473.	\$ 29124.	\$ 52597.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11845.	\$ 21391.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 23473.	\$ 29124.	\$ 52597.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11845.	\$ 21391.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0891	\$ -537425.
ATL	0.0888	\$ -320105.
PAC	0.0896	\$ -217320.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0865	\$ -555692.
ATL	0.0867	\$ -328780.
PAC	0.0861	\$ -226911.
TOTAL: WO/SAR	0.0884	\$ -542641.
ATL	0.0881	\$ -323003.
PAC	0.0887	\$ -219638.

54 3 B 1B INST 2182 A&R LOC ALERTING AND LOCATING

GOVT COST: AC&I \$ 821000. ANNUAL O&M \$ 3677000.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: 0.8966 ALERTING 0.4515 LOCATING 0.4451
SHORE: ES=0.907 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.907 ET=0.996 EA=0.995 EL=0.880 EP=GEOGRAPHIC
PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 70. N. M.
PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EL=0.880 EP=1.000 LOCATING RANGE= 70. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 746.	\$ 22594.	\$ 23340.
ATL	\$ 415.	\$ 12552.	\$ 12967.
PAC	\$ 332.	\$ 10042.	\$ 10373.
SAR		\$ 13228.	\$ 13228.
ATL		\$ 5843.	
PAC		\$ 7385.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 46925.	\$ 65295.	\$ 112220.
ATL	\$ 28149.	\$ 36105.	\$ 64254.
PAC	\$ 18775.	\$ 29190.	\$ 47965.
TOTAL: WO/SAR	\$ 46925.	\$ 52068.	\$ 98992.
ATL	\$ 28149.	\$ 30262.	\$ 58411.
PAC	\$ 18775.	\$ 21806.	\$ 40581.

BENEFITS (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22886.	\$ 28395.	\$ 51281.
ATL	\$ 13897.	\$ 17242.	\$ 31139.
PAC	\$ 8989.	\$ 11153.	\$ 20142.
FISH:	\$ 10098.	\$ 15750.	\$ 25847.
ATL	\$ 6362.	\$ 9924.	\$ 16286.
PAC	\$ 3735.	\$ 5826.	\$ 9562.
TOTAL:	\$ 32984.	\$ 44145.	\$ 77129.
ATL	\$ 20259.	\$ 27166.	\$ 47425.
PAC	\$ 12724.	\$ 16979.	\$ 29703.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.9768	\$ -1220.
ATL	0.9961	\$ -121.
PAC	0.9482	\$ -1099.
FISH	1.1165	\$ 2697.
ATL	1.1482	\$ 2102.
PAC	1.0664	\$ 595.
TOTAL: W/SAR	0.6873	\$ -35091.
ATL	0.7381	\$ -16829.
PAC	0.6193	\$ -18262.
TOTAL: WO/SAR	0.7791	\$ -21864.
ATL	0.8119	\$ -10986.
PAC	0.7320	\$ -10877.

SS 3 B 10 INST L-BAND A&R LOC ALERTING AND LOCATING
 GOVT COST: AC&I \$ 0. ANNUAL O&M \$ TARIFF SERVICE
 USER COST: UNIT COST \$ 48300. QUANTITY OF 200. LEARNING FACTOR 0.82
 PURCHASE PRICE: FROM \$ 26322. TO \$ 23792. NUMBER OF PRODUCERS 3.
 SYSTEM EFFECTIVENESS: 0.9851 ALERTING 0.4950 LOCATING 0.4901
 SHORE ES=0.999 ET=0.996 EA=0.995 EP=1.000
 SAR UNITS: ES=0.999 ET=0.996 EA=0.995 EL=0.990 EP=1.000
 PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
 COMMERCIAL SHIPS: FROM 5000. TO 7117. 0. PERCENT
 FISHING VESSELS: FROM 0. TO 0. 0. PERCENT
 AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 0.	\$ 117.	\$ 117.
ATL	\$ 0.	\$ 65.	\$ 65.
PAC	\$ 0.	\$ 52.	\$ 52.
SAR		\$ 12672.	\$ 12672.
ATL		\$ 5558.	
PAC		\$ 7114.	
COMM:	\$ 149671.	\$ 93642.	\$ 243314.
ATL	\$ 89117.	\$ 55756.	\$ 144874.
PAC	\$ 60554.	\$ 37886.	\$ 98440.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 149671.	\$ 106431.	\$ 256103.
ATL	\$ 89117.	\$ 61379.	\$ 150496.
PAC	\$ 60554.	\$ 45052.	\$ 105606.
TOTAL: WO/SAR	\$ 149671.	\$ 93759.	\$ 243430.
ATL	\$ 89117.	\$ 55821.	\$ 144939.
PAC	\$ 60554.	\$ 37938.	\$ 98492.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 6090.	\$ 7556.	\$ 13646.
ATL	\$ 3613.	\$ 4483.	\$ 8096.
PAC	\$ 2477.	\$ 3073.	\$ 5550.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 6090.	\$ 7556.	\$ 13646.
ATL	\$ 3613.	\$ 4483.	\$ 8096.
PAC	\$ 2477.	\$ 3073.	\$ 5550.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0561	\$ -229668.
ATL	0.0559	\$ -136778.
PAC	0.0564	\$ -92890.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0533	\$ -242457.
ATL	0.0538	\$ -142401.
PAC	0.0526	\$ -100056.
TOTAL: WO/SAR	0.0561	\$ -229785.
ATL	0.0559	\$ -136843.
PAC	0.0563	\$ -92942.

56 3 B 1D INST HF A&R LOC ALERTING AND LOCATING

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8744 ALERTING 0.4394 LOCATING 0.4350

SHORE: ES=0.968 ET=0.996 EA=0.995 EP=GEOGRAPHIC

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.990 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3273.	\$ 5168.	\$ 8440.
ATL	\$ 1818.	\$ 2871.	\$ 4689.
PAC	\$ 1455.	\$ 2297.	\$ 3751.
SAR		\$ 15292.	\$ 15292.
ATL		\$ 6618.	
PAC		\$ 8674.	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 85183.	\$ 71707.	\$ 156889.
ATL	\$ 50589.	\$ 40003.	\$ 90592.
PAC	\$ 34594.	\$ 31704.	\$ 66298.
TOTAL: WD/SAR	\$ 85183.	\$ 56415.	\$ 141598.
ATL	\$ 50589.	\$ 33384.	\$ 83973.
PAC	\$ 34594.	\$ 23030.	\$ 57624.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 21253.	\$ 26370.	\$ 47623.
ATL	\$ 12747.	\$ 15815.	\$ 28562.
PAC	\$ 8507.	\$ 10555.	\$ 19061.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 21253.	\$ 26370.	\$ 47623.
ATL	\$ 12747.	\$ 15815.	\$ 28562.
PAC	\$ 8507.	\$ 10555.	\$ 19061.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.3576	\$ -85534.
ATL	0.3602	\$ -50723.
PAC	0.3538	\$ -34811.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.3035	\$ -109266.
ATL	0.3153	\$ -62030.
PAC	0.2875	\$ -47236.
TOTAL: WD/SAR	0.3363	\$ -93975.
ATL	0.3401	\$ -55412.
PAC	0.3308	\$ -38563.

57 3 B 2A INST 500A-SHORE DFL ALERTING AND LOCATING

GOVT COST: AC&I \$ 1200000. ANNUAL O&M \$ 806000.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9982 ALERTING 0.4999 LOCATING 0.4983
SHORE: ES=0.990 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.980 EP=GEOGRAPHIC
PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE=270. N. M.
PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.980 EP=1.000 LOCATING RANGE=200. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1091.	\$ 4953.	\$ 6043.
ATL	\$ 606.	\$ 2751.	\$ 3357.
PAC	\$ 485.	\$ 2201.	\$ 2686.
SAR		\$ 13065.	\$ 13065.
ATL		\$ 5785.	
PAC		\$ 7280.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 364035.	\$ 245095.	\$ 609130.
ATL	\$ 216710.	\$ 143743.	\$ 360453.
PAC	\$ 147325.	\$ 101352.	\$ 248677.
TOTAL: WO/SAR	\$ 364035.	\$ 232030.	\$ 596065.
ATL	\$ 216710.	\$ 137958.	\$ 354668.
PAC	\$ 147325.	\$ 94072.	\$ 241397.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 23472.	\$ 29123.	\$ 52595.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11844.	\$ 21390.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 23472.	\$ 29123.	\$ 52595.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11844.	\$ 21390.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0891	\$ -537426.
ATL	0.0888	\$ -320105.
PAC	0.0896	\$ -217321.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0863	\$ -556535.
ATL	0.0866	\$ -329248.
PAC	0.0860	\$ -227287.
TOTAL: WO/SAR	0.0882	\$ -543470.
ATL	0.0880	\$ -323462.
PAC	0.0886	\$ -220007.

58 3 B 2B

INST HF A-SHORE DFL

ALERTING AND LOCATING

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8722 ALERTING 0.4394 LOCATING 0.4328

SHORE: ES=0.968 EF=0.996 EA=0.995 EP=GEOGRAPHIC

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.985 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3273.	\$ 5168.	\$ 8440.
ATL:	\$ 1818.	\$ 2871.	\$ 4689.
PAC:	\$ 1455.	\$ 2297.	\$ 3751.
SAR:		\$ 15445.	\$ 15445.
ATL:		\$ 6661.	
PAC:		\$ 8785.	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL:	\$ 48771.	\$ 30514.	\$ 79284.
PAC:	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL:	\$ 0.	\$ 0.	\$ 0.
PAC:	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 85183.	\$ 71860.	\$ 157043.
ATL:	\$ 50589.	\$ 40045.	\$ 90634.
PAC:	\$ 34594.	\$ 31815.	\$ 66409.
TOTAL: WO/SAR	\$ 85183.	\$ 56415.	\$ 141598.
ATL:	\$ 50589.	\$ 33384.	\$ 83973.
PAC:	\$ 34594.	\$ 23030.	\$ 57624.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 21200.	\$ 26303.	\$ 47503.
ATL:	\$ 12714.	\$ 15775.	\$ 28490.
PAC:	\$ 8485.	\$ 10528.	\$ 19013.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL:	\$ 0.	\$ 0.	\$ 0.
PAC:	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 21200.	\$ 26303.	\$ 47503.
ATL:	\$ 12714.	\$ 15775.	\$ 28490.
PAC:	\$ 8485.	\$ 10528.	\$ 19013.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.3567	\$ -85654.
ATL:	0.3593	\$ -50795.
PAC:	0.3529	\$ -34859.
FISH:	NOT APPLICABLE	\$ 0.
ATL:	NOT APPLICABLE	\$ 0.
PAC:	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.3025	\$ -109539.
ATL:	0.3143	\$ -62144.
PAC:	0.2863	\$ -47395.
TOTAL: WO/SAR	0.3355	\$ -94094.
ATL:	0.3393	\$ -55484.
PAC:	0.3300	\$ -38611.

59 3 B 3A

INST 500A- A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 2022000. ANNUAL O&M \$ 837400.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
 PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9980 ALERTING 0.4999 LOCATING 0.4981
 SHORE: ES=0.990 ET=0.996 EA=0.995 EP=GEOGRAPHIC
 SAR UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.950 EP=GEOGRAPHIC
 PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE=270. N. M.
 PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000 LOCATING RANGE=200. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
 COMMERCIAL SHIPS: FROM 18985. TO 27022. 100. PERCENT
 FISHING VESSELS: FROM 0. TO 0. 0. PERCENT
 AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1838.	\$ 5145.	\$ 6984.
ATL	\$ 1021.	\$ 2859.	\$ 3880.
PAC	\$ 817.	\$ 2287.	\$ 3104.
SAR		\$ 13065.	\$ 13065.
ATL		\$ 5785.	
PAC		\$ 7280.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 364782.	\$ 245288.	\$ 610070.
ATL	\$ 217125.	\$ 143850.	\$ 360975.
PAC	\$ 147657.	\$ 101438.	\$ 249094.
TOTAL: WD/SAR	\$ 364782.	\$ 232223.	\$ 597005.
ATL	\$ 217125.	\$ 138065.	\$ 355190.
PAC	\$ 147657.	\$ 94158.	\$ 241815.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 23472.	\$ 29123.	\$ 52595.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11844.	\$ 21389.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 23472.	\$ 29123.	\$ 52595.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11844.	\$ 21389.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0891	\$ -537426.
ATL	0.0888	\$ -320105.
PAC	0.0896	\$ -217322.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0862	\$ -557475.
ATL	0.0864	\$ -329770.
PAC	0.0859	\$ -227705.
TOTAL: WD/SAR	0.0881	\$ -544410.
ATL	0.0879	\$ -323985.
PAC	0.0885	\$ -220425.

60 3 B 3B

INST 2182A-A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 4836600. ANNUAL O&M \$ 3947200.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: 0.8879 ALERTING 0.4515 LOCATING 0.4364

SHORE: ES=0.907 ET=0.996 EA=0.995 EP=GEOGRAPHIC

S&R UNITS: ES=0.907 ET=0.996 EA=0.995 EL=0.900 EP=GEOGRAPHIC

PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 70. N. M.

PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EL=0.900 EP=1.000 LOCATING RANGE= 60. N. M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

10. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

90. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 4397.	\$ 24254.	\$ 28651.
ATL	\$ 2443.	\$ 13474.	\$ 15917.
PAC	\$ 1954.	\$ 10779.	\$ 12734.
SAR		\$ 13249.	\$ 13249.
ATL		\$ 5862.	
PAC		\$ 7387.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 50575.	\$ 66976.	\$ 117551.
ATL	\$ 30177.	\$ 37046.	\$ 67224.
PAC	\$ 20398.	\$ 29930.	\$ 50328.
TOTAL: WO/SAR	\$ 50575.	\$ 53728.	\$ 104303.
ATL	\$ 30177.	\$ 31184.	\$ 61362.
PAC	\$ 20398.	\$ 22544.	\$ 42941.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 22781.	\$ 28265.	\$ 51046.
ATL	\$ 13882.	\$ 17224.	\$ 31106.
PAC	\$ 8899.	\$ 11042.	\$ 19941.
FISH:	\$ 10090.	\$ 15737.	\$ 25827.
ATL	\$ 6362.	\$ 9923.	\$ 16285.
PAC	\$ 3728.	\$ 5815.	\$ 9543.
TOTAL:	\$ 32871.	\$ 44003.	\$ 76874.
ATL	\$ 20244.	\$ 27147.	\$ 47390.
PAC	\$ 12627.	\$ 16856.	\$ 29484.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.9723	\$ -1455.
ATL	0.9950	\$ -155.
PAC	0.9388	\$ -1300.
FISH:	1.1156	\$ 2677.
ATL	1.1481	\$ 2100.
PAC	1.0643	\$ 576.
TOTAL: W/SAR	0.6540	\$ -40677.
ATL	0.7050	\$ -19833.
PAC	0.5858	\$ -20844.
TOTAL: WO/SAR	0.7370	\$ -27429.
ATL	0.7723	\$ -13971.
PAC	0.6866	\$ -13457.

61 3 B 3C INST HF A- A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 4461600. ANNUAL O&M \$ 900600.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8678 ALERTING 0.4394 LOCATING 0.4284
SHORE: ES=0.968 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.975 EP=GEOGRAPHIC
PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0 PERCENT
FISHING VESSELS:	FROM 0 TO 0	0 PERCENT
AIRCRAFT MONITOR:	NO	0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 4056.	\$ 5534	\$ 9590.
ATL	\$ 2253.	\$ 3074	\$ 5328.
PAC	\$ 1803.	\$ 2459.	\$ 4262.
SAR		\$ 15015.	\$ 15015.
ATL		\$ 6144	
PAC		\$ 8871	
COMM:	\$ 81910.	\$ 51247	\$ 133157.
ATL	\$ 48771.	\$ 30514	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 85966.	\$ 71796.	\$ 157762.
ATL	\$ 51024.	\$ 39732.	\$ 90756.
PAC	\$ 34942.	\$ 32064.	\$ 67006.
TOTAL: WO/SAR	\$ 85966.	\$ 56781.	\$ 142747.
ATL	\$ 51024.	\$ 33588.	\$ 84612.
PAC	\$ 34942.	\$ 23193.	\$ 58135.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 21093.	\$ 26171	\$ 47264.
ATL	\$ 12650.	\$ 15696	\$ 28346.
PAC	\$ 8443.	\$ 10475.	\$ 18918.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 21093.	\$ 26171.	\$ 47264.
ATL	\$ 12650.	\$ 15696.	\$ 28346.
PAC	\$ 8443.	\$ 10475.	\$ 18918.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.3549	\$ -85893.
ATL	0.3575	\$ -50938.
PAC	0.3512	\$ -34955.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2996	\$ -110498.
ATL	0.3123	\$ -62410.
PAC	0.2823	\$ -48088.
TOTAL: WO/SAR	0.3311	\$ -95483.
ATL	0.3350	\$ -56266.
PAC	0.3254	\$ -39217.

62 3 B 4A

INST 500A-SHIP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 8630686 ANNUAL O&M \$ 1241800.

USER COST: UNIT COST \$ 17000. QUANTITY OF 3651. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 16810. TO \$ 15194. NUMBER OF PRODUCERS 5.SYSTEM EFFECTIVENESS: 0.9980 ALERTING 0.4999 LOCATING 0.4981
SHORE: ES=0.990 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.990 ET=0.996 EA=0.995 EL=0.950 EP=GEOGRAPHIC
PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE=270 N.M.
PASS SHIP: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000 LOCATING RANGE=200 N.M.SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985.00 27022. 100 PERCENT
FISHING VESSELS: FROM 0.10 0. 0 PERCENT
AIRCRAFT MONITOR: NO 0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 7846.	\$ 7630	\$ 15476.
ATL	\$ 4359.	\$ 4239	\$ 8598.
PAC	\$ 3487.	\$ 3391.	\$ 6878.
SAR		\$ 13065.	\$ 13065.
ATL		\$ 5785.	
PAC		\$ 7280.	
COMM:	\$ 362944.	\$ 227077.	\$ 590021.
ATL	\$ 216104.	\$ 135206.	\$ 351310.
PAC	\$ 146840.	\$ 91871.	\$ 238711.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 370790.	\$ 247772.	\$ 618563.
ATL	\$ 220463.	\$ 145230.	\$ 365694.
PAC	\$ 150327.	\$ 102542.	\$ 252869.
TOTAL: WO/SAR	\$ 370790.	\$ 234707.	\$ 605498.
ATL	\$ 220463.	\$ 139445.	\$ 359908.
PAC	\$ 150327.	\$ 95262.	\$ 245589.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 23472.	\$ 29123.	\$ 52595.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11844.	\$ 21389.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 23472.	\$ 29123.	\$ 52595.
ATL	\$ 13926.	\$ 17279.	\$ 31205.
PAC	\$ 9546.	\$ 11844.	\$ 21389.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.0891	\$ -537426.
ATL	0.0888	\$ -320105.
PAC	0.0896	\$ -217322.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.0850	\$ -565968.
ATL	0.0853	\$ -334488.
PAC	0.0846	\$ -231480.
TOTAL: WO/SAR	0.0869	\$ -552903.
ATL	0.0867	\$ -328703.
PAC	0.0871	\$ -224200.

C-62

63 3 B 4B

INST2182A-SHIP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 7043344. ANNUAL O&M \$ 4098680.

USER COST: UNIT COST \$ 1500. QUANTITY OF 2821. LEARNING FACTOR 0.85
 PURCHASE PRICE: FROM \$ 1490. TO \$ 1404. NUMBER OF PRODUCERS 10.

SYSTEM EFFECTIVENESS: 0.8810 ALERTING 0.4515 LOCATING 0.4295
 SHORE: ES=0.907 ET=0.996 EA=0.995 EP=GEOGRAPHIC
 S&R UNITS: ES=0.907 ET=0.996 EA=0.995 EL=0.800 EP=GEOGRAPHIC
 PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 70. N. M.
 PASS SHIP: ES=0.907 ET=1.000 EA=0.995 EL=0.800 EP=1.000 LOCATING RANGE= 60. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
 COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
 FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
 AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT.	\$ 6403.	\$ 25185.	\$ 31588.
ATL	\$ 3557.	\$ 13991.	\$ 17549.
PAC	\$ 2846.	\$ 11193.	\$ 14039.
SAR		\$ 13456.	\$ 13456.
ATL		\$ 5867.	
PAC		\$ 7589.	
COMM:	\$ 32321.	\$ 20181.	\$ 52501.
ATL	\$ 19244.	\$ 12016.	\$ 31260.
PAC	\$ 13076.	\$ 8165.	\$ 21241.
FISH:	\$ 13857.	\$ 9293.	\$ 23151.
ATL	\$ 8490.	\$ 5694.	\$ 14184.
PAC	\$ 5367.	\$ 3599.	\$ 8966.
TOTAL: W/SAR	\$ 52581.	\$ 68114.	\$ 120696.
ATL	\$ 31292.	\$ 37568.	\$ 68860.
PAC	\$ 21289.	\$ 30546.	\$ 51835.
TOTAL: WO/SAR	\$ 52581.	\$ 54659.	\$ 107240.
ATL	\$ 31292.	\$ 31701.	\$ 62993.
PAC	\$ 21289.	\$ 22957.	\$ 44246.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 22689.	\$ 28151.	\$ 50840.
ATL	\$ 13866.	\$ 17204.	\$ 31070.
PAC	\$ 8823.	\$ 10947.	\$ 19770.
FISH:	\$ 10083.	\$ 15727.	\$ 25810.
ATL	\$ 6361.	\$ 9922.	\$ 16284.
PAC	\$ 3722.	\$ 5805.	\$ 9527.
TOTAL:	\$ 32772.	\$ 43878.	\$ 76650.
ATL	\$ 20227.	\$ 27126.	\$ 47354.
PAC	\$ 12545.	\$ 16752.	\$ 29296.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.9683	\$ -1662
ATL	0.9939	\$ -190.
PAC	0.9307	\$ -1471.
FISH:	1.1149	\$ 2660.
ATL	1.1480	\$ 2099.
PAC	1.0625	\$ 560.
TOTAL: W/SAR	0.6351	\$ -44046.
ATL	0.6877	\$ -21506.
PAC	0.5652	\$ -22539.
TOTAL: WO/SAR	0.7148	\$ -30590.
ATL	0.7517	\$ -15640.
PAC	0.6621	\$ -14950.

64 3 B 4C

INST HF A-SHIP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 6035200. ANNUAL O&M \$ 1100000.

USER COST: UNIT COST \$ 8520. QUANTITY OF 225. LEARNING FACTOR 0.82
PURCHASE PRICE: FROM \$ 3794. TO \$ 3429. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8612 ALERTING 0.4394 LOCATING 0.4218

SHORE: ES=0.968 ET=0.996 EA=0.995 EP=GEOGRAPHIC

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.960 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022	0. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 5487.	\$ 6759.	\$ 12246.
ATL	\$ 3048.	\$ 3755.	\$ 6803.
PAC	\$ 2438.	\$ 3004.	\$ 5442.
SAR		\$ 15236.	\$ 15236.
ATL		\$ 6350.	
PAC		\$ 8887.	
COMM:	\$ 81910.	\$ 51247.	\$ 133157.
ATL	\$ 48771.	\$ 30514.	\$ 79284.
PAC	\$ 33139.	\$ 20734.	\$ 53873.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 87397.	\$ 73243.	\$ 160639.
ATL	\$ 51819.	\$ 40618.	\$ 92437.
PAC	\$ 35578.	\$ 32624.	\$ 68202.
TOTAL: WO/SAR	\$ 87397.	\$ 58006.	\$ 145403.
ATL	\$ 51819.	\$ 34269.	\$ 86088.
PAC	\$ 35578.	\$ 23738.	\$ 59315.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 20933.	\$ 25972.	\$ 46905.
ATL	\$ 12554.	\$ 15577.	\$ 28131.
PAC	\$ 8378.	\$ 10396.	\$ 18774.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 20933.	\$ 25972.	\$ 46905.
ATL	\$ 12554.	\$ 15577.	\$ 28131.
PAC	\$ 8378.	\$ 10396.	\$ 18774.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.3523	\$ -86252.
ATL	0.3548	\$ -51153.
PAC	0.3485	\$ -35099.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2920	\$ -113734.
ATL	0.3043	\$ -64306.
PAC	0.2753	\$ -49428.
TOTAL: WO/SAR	0.3226	\$ -98498.
ATL	0.3268	\$ -57957.
PAC	0.3165	\$ -40541.

65 3 B 5A EP121/243AAD-ACDF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 2707500. ANNUAL O&M \$ 4377600.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 193. TO \$ 184. NUMBER OF PRODUCERS 8

SYSTEM EFFECTIVENESS: 0.3972 ALERTING 0.2405 LOCATING 0.1567

SHORE: ES=0.000 ET=0.996 EA=0.995 EP=0.000

S&R UNITS: ES=0.000 ET=0.996 EA=0.995 EL=0.950 EP=0.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2461.	\$ 26898.	\$ 29360.
ATL	\$ 1367.	\$ 14944.	\$ 16311.
PAC	\$ 1094.	\$ 11955.	\$ 13049.
SAR		\$ 45569.	\$ 45569.
ATL		\$ 17913.	
PAC		\$ 27656.	
COMM:	\$ 4194.	\$ 2617.	\$ 6811.
ATL	\$ 2497.	\$ 1558.	\$ 4055.
PAC	\$ 1697.	\$ 1059.	\$ 2756.
FISH:	\$ 1796.	\$ 1204.	\$ 3001.
ATL	\$ 1100.	\$ 738.	\$ 1838.
PAC	\$ 696.	\$ 466.	\$ 1162.
TOTAL: W/SAR	\$ 8451.	\$ 76289.	\$ 84740.
ATL	\$ 4965.	\$ 35153.	\$ 40118.
PAC	\$ 3486.	\$ 41136.	\$ 44623.
TOTAL: WO/SAR	\$ 8451.	\$ 30720.	\$ 39171.
ATL	\$ 4965.	\$ 17240.	\$ 22205.
PAC	\$ 3486.	\$ 13480.	\$ 16967.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 13597.	\$ 16870.	\$ 30467.
ATL	\$ 9833.	\$ 12200.	\$ 22032.
PAC	\$ 3764.	\$ 4670.	\$ 8435.
FISH:	\$ 6360.	\$ 9920.	\$ 16280.
ATL	\$ 4604.	\$ 7181.	\$ 11784.
PAC	\$ 1756.	\$ 2739.	\$ 4495.
TOTAL:	\$ 19957.	\$ 26790.	\$ 46747.
ATL	\$ 14436.	\$ 19380.	\$ 33817.
PAC	\$ 5520.	\$ 7409.	\$ 12930.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	4.4731	\$ 23656.
ATL	5.4328	\$ 17977.
PAC	3.0608	\$ 5679.
FISH:	5.4256	\$ 13279.
ATL	6.4101	\$ 9946.
PAC	3.8682	\$ 3333.
TOTAL: W/SAR	0.5516	\$ -37994.
ATL	0.8429	\$ -6301.
PAC	0.2898	\$ -31693.
TOTAL: WO/SAR	1.1934	\$ 7575.
ATL	1.5229	\$ 11612.
PAC	0.7621	\$ -4037.

66 3 B 5B EP 2182A- A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 1893200. ANNUAL O&M \$ 3760000.

USER COST: UNIT COST \$ 350. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 338. TO \$ 323. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: 0.5632 ALERTING 0.3384 LOCATING 0.2248
SHORE: ES=0.944 ET=0.996 EA=0.995 EP=0.000
S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.280 EP=0.000
PASS SHIP: ES=0.944 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 16. N. M.
PASS SHIP: ES=0.944 ET=1.000 EA=0.995 EL=0.280 EP=1.000 LOCATING RANGE= 16. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 10 PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 90 PERCENT
AIRCRAFT MONITOR: NO 0 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1721.	\$ 23104.	\$ 24825.
ATL	\$ 956.	\$ 12835.	\$ 13791.
PAC	\$ 765.	\$ 10268.	\$ 11033.
SAR		\$ 44550.	\$ 44550.
ATL		\$ 16545.	
PAC		\$ 28004.	
COMM:	\$ 7340.	\$ 4580.	\$ 11919.
ATL	\$ 4370.	\$ 2727.	\$ 7097.
PAC	\$ 2969.	\$ 1853.	\$ 4822.
FISH:	\$ 3143.	\$ 2108.	\$ 5251.
ATL	\$ 1926.	\$ 1291.	\$ 3217.
PAC	\$ 1217.	\$ 816.	\$ 2034.
TOTAL: W/SAR	\$ 12204.	\$ 74341.	\$ 86545.
ATL	\$ 7252.	\$ 33399.	\$ 40651.
PAC	\$ 4952.	\$ 40942.	\$ 45894.
TOTAL: WO/SAR	\$ 12204.	\$ 29791.	\$ 41995.
ATL	\$ 7252.	\$ 16854.	\$ 24106.
PAC	\$ 4952.	\$ 12938.	\$ 17889.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 16444.	\$ 20403.	\$ 36847.
ATL	\$ 11226.	\$ 13929.	\$ 25155.
PAC	\$ 5218.	\$ 6474.	\$ 11692.
FISH:	\$ 9318.	\$ 14534.	\$ 23852.
ATL	\$ 6184.	\$ 9645.	\$ 15830.
PAC	\$ 3134.	\$ 4888.	\$ 8023.
TOTAL:	\$ 25762.	\$ 34937.	\$ 60699.
ATL	\$ 17410.	\$ 23574.	\$ 40984.
PAC	\$ 8352.	\$ 11362.	\$ 19714.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.0913	\$ 24927.
ATL	3.5444	\$ 18058.
PAC	2.4245	\$ 6869.
FISH:	4.5425	\$ 18601.
ATL	4.9203	\$ 12612.
PAC	3.9448	\$ 5989.
TOTAL: W/SAR	0.7014	\$ -25846.
ATL	1.0082	\$ 333.
PAC	0.4296	\$ -26179.
TOTAL: WO/SAR	1.4454	\$ 18704.
ATL	1.7002	\$ 16879.
PAC	1.1020	\$ 1825.

67 3 B 5CS ECAS- 2182 A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 62652000. ANNUAL O&M \$ 1000000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 797. TO \$ 760. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9750 ALERTING 0.4969 LOCATING 0.4782
SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000
S&R UNITS: ES=0.880 ET=1.000 EA=0.995 EL=0.850 EP=1.000
PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 37. N. M.
PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.850 EP=1.000 LOCATING RANGE= 32. N. M.
A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
AIRCRAFT MONITOR: YES 100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 56956.	\$ 6145.	\$ 63101.
ATL	\$ 31642.	\$ 3414.	\$ 35056.
PAC	\$ 25314.	\$ 2731.	\$ 28045.
SAR		\$ 13447.	\$ 13447.
ATL		\$ 5961.	
PAC		\$ 7486.	
COMM:	\$ 17306.	\$ 10799.	\$ 28105.
ATL	\$ 10304.	\$ 6430.	\$ 16734.
PAC	\$ 7002.	\$ 4369.	\$ 11371.
FISH:	\$ 7411.	\$ 4970.	\$ 12381.
ATL	\$ 4541.	\$ 3045.	\$ 7586.
PAC	\$ 2870.	\$ 1925.	\$ 4795.
TOTAL: W/SAR	\$ 81674.	\$ 35361.	\$ 117034.
ATL	\$ 46488.	\$ 18849.	\$ 65337.
PAC	\$ 35186.	\$ 16511.	\$ 51697.
TOTAL: WO/SAR	\$ 81674.	\$ 21914.	\$ 103587.
ATL	\$ 46488.	\$ 12889.	\$ 59376.
PAC	\$ 35186.	\$ 9025.	\$ 44211.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 23207.	\$ 28794.	\$ 52001.
ATL	\$ 13877.	\$ 17217.	\$ 31094.
PAC	\$ 9331.	\$ 11577.	\$ 20908.
FISH:	\$ 10128.	\$ 15797.	\$ 25925.
ATL	\$ 6362.	\$ 9922.	\$ 16284.
PAC	\$ 3766.	\$ 5875.	\$ 9641.
TOTAL:	\$ 33335.	\$ 44591.	\$ 77927.
ATL	\$ 20238.	\$ 27140.	\$ 47378.
PAC	\$ 13097.	\$ 17452.	\$ 30549.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.8502	\$ 23896.
ATL	1.8581	\$ 14359.
PAC	1.8387	\$ 9537.
FISH:	2.0939	\$ 13544.
ATL	2.1467	\$ 8698.
PAC	2.0105	\$ 4846.
TOTAL: W/SAR	0.6658	\$ -39108.
ATL	0.7251	\$ -17959.
PAC	0.5909	\$ -21149.
TOTAL: WO/SAR	0.7523	\$ -25661.
ATL	0.7979	\$ -11998.
PAC	0.6910	\$ -13662.

68 3 B 500 ECAS- 2182 A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 114282000. ANNUAL O&M \$ 1143000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 797. TO \$ 760. NUMBER OF PRODUCERS 5

SYSTEM EFFECTIVENESS: 0.9750 ALERTING 0.4969 LOCATING 0.4782

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.880 ET=1.000 EA=0.995 EL=0.850 EP=1.000

PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 37. N. M.

PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.850 EP=1.000 LOCATING RANGE= 32. N. M.

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985 TO 27022.

10. PERCENT

FISHING VESSELS: FROM 10000 TO 10366.

90. PERCENT

AIRCRAFT MONITOR: YES

100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 103893.	\$ 7023.	\$ 110916.
ATL	\$ 57718.	\$ 3902.	\$ 61620.
PAC	\$ 46175.	\$ 3121.	\$ 49296.
SAR		\$ 13447.	\$ 13447.
ATL		\$ 5961.	
PAC		\$ 7486.	
COMM:	\$ 17306.	\$ 10799.	\$ 28105.
ATL	\$ 10304.	\$ 6430.	\$ 16734.
PAC	\$ 7002.	\$ 4369.	\$ 11371.
FISH:	\$ 7411.	\$ 4970.	\$ 12381.
ATL	\$ 4541.	\$ 3045.	\$ 7586.
PAC	\$ 2870.	\$ 1925.	\$ 4795.
TOTAL: W/SAR	\$ 128610.	\$ 36239.	\$ 164849.
ATL	\$ 72563.	\$ 19338.	\$ 91901.
PAC	\$ 56047.	\$ 16902.	\$ 72948.
TOTAL: WO/SAR	\$ 128610.	\$ 22792.	\$ 151402.
ATL	\$ 72563.	\$ 13377.	\$ 85940.
PAC	\$ 56047.	\$ 9415.	\$ 65462.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 23207.	\$ 28794.	\$ 52001.
ATL	\$ 13877.	\$ 17217.	\$ 31094.
PAC	\$ 9331.	\$ 11577.	\$ 20908.
FISH:	\$ 10128.	\$ 15797.	\$ 25925.
ATL	\$ 6362.	\$ 9922.	\$ 16284.
PAC	\$ 3766.	\$ 5875.	\$ 9641.
TOTAL:	\$ 33335.	\$ 44591.	\$ 77927.
ATL	\$ 20238.	\$ 27140.	\$ 47378.
PAC	\$ 13097.	\$ 17452.	\$ 30549.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM.	1.8502	\$ 23896.
ATL	1.8581	\$ 14359.
PAC	1.8387	\$ 9537.
FISH:	2.0939	\$ 13544.
ATL	2.1467	\$ 8698.
PAC	2.0105	\$ 4846.
TOTAL: W/SAR	0.4727	\$ -86923.
ATL	0.5155	\$ -44523.
PAC	0.4188	\$ -42400.
TOTAL: WO/SAR	0.5147	\$ -73476.
ATL	0.5513	\$ -38562.
PAC	0.4667	\$ -34913.

69 3 B 5DS ECAS-121/243AC DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 64288000. ANNUAL O&M \$ 1235000.

USER COST: UNIT COST \$ 225 QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 199 TO \$ 190. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9005 ALERTING 0.4842 LOCATING 0.4163
SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000
S&R UNITS: ES=0.800 ET=1.000 EA=0.995 EL=0.950 EP=1.000
PASS SHIP: NOT GUARDED
A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985 TO 27022 0 PERCENT
FISHING VESSELS: FROM 10000 TO 10366 0 PERCENT
AIRCRAFT MONITOR: YES 100 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 58444	\$ 7589	\$ 66032
ATL	\$ 32469	\$ 4216	\$ 36685
PAC	\$ 25975	\$ 3373	\$ 29348
SAR		\$ 15317	\$ 15317
ATL		\$ 6435	
PAC		\$ 8882	
COMM:	\$ 4327	\$ 2700	\$ 7026
ATL	\$ 2576	\$ 1607	\$ 4184
PAC	\$ 1750	\$ 1092	\$ 2843
FISH:	\$ 1853	\$ 1242	\$ 3095
ATL	\$ 1135	\$ 761	\$ 1896
PAC	\$ 718	\$ 481	\$ 1199
TOTAL: W/SAR	\$ 64623	\$ 26847	\$ 91470
ATL	\$ 36180	\$ 13019	\$ 49199
PAC	\$ 28443	\$ 13828	\$ 42271
TOTAL: WO/SAR	\$ 64623	\$ 11531	\$ 76154
ATL	\$ 36180	\$ 6585	\$ 42765
PAC	\$ 28443	\$ 4946	\$ 33389

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 21779	\$ 27022	\$ 48801
ATL	\$ 13192	\$ 16368	\$ 29560
PAC	\$ 8586	\$ 10654	\$ 19240
FISH:	\$ 9482	\$ 14789	\$ 24270
ATL	\$ 6044	\$ 9427	\$ 15470
PAC	\$ 3438	\$ 5362	\$ 8800
TOTAL:	\$ 31260	\$ 41810	\$ 73071
ATL	\$ 19236	\$ 25795	\$ 45031
PAC	\$ 12024	\$ 16016	\$ 28040

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO	BENEFITS MINUS COST
COMM:	6.9454	\$ 41774
ATL	7.0658	\$ 25377
PAC	6.7682	\$ 16397
FISH:	7.8410	\$ 21175
ATL	8.1575	\$ 13574
PAC	7.3403	\$ 7601
TOTAL: W/SAR	0.7988	\$ -18400
ATL	0.9153	\$ -4169
PAC	0.6633	\$ -14231
TOTAL: WO/SAR	0.9595	\$ -3083
ATL	1.0530	\$ 2266
PAC	0.8398	\$ -5349

70 3 B 5DD ECAS-121/243AC DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 115918000. ANNUAL O&M \$ 1377000.

USER COST: UNIT COST \$ 225. QUANTITY OF 3000. LEARNING FACTOR 0.88
 PURCHASE PRICE: FROM \$ 199. TO \$ 190. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9005 ALERTING 0.4842 LOCATING 0.4163

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.800 ET=1.000 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 105380.	\$ 8461.	\$ 113841.
ATL	\$ 58544.	\$ 4701.	\$ 63245.
PAC	\$ 46836.	\$ 3760.	\$ 50596.
SAR		\$ 15317.	\$ 15317.
ATL		\$ 6435.	
PAC		\$ 8882.	
COMM:	\$ 4327.	\$ 2700.	\$ 7026.
ATL	\$ 2576.	\$ 1607.	\$ 4184.
PAC	\$ 1750.	\$ 1092.	\$ 2843.
FISH:	\$ 1853.	\$ 1242.	\$ 3095.
ATL	\$ 1135.	\$ 761.	\$ 1896.
PAC	\$ 718.	\$ 481.	\$ 1199.
TOTAL: W/SAR	\$ 111559.	\$ 27720.	\$ 139279.
ATL	\$ 62256.	\$ 13504.	\$ 75760.
PAC	\$ 49304.	\$ 14216.	\$ 63519.
TOTAL: WO/SAR	\$ 111559.	\$ 12403.	\$ 123963.
ATL	\$ 62256.	\$ 7069.	\$ 69325.
PAC	\$ 49304.	\$ 5334.	\$ 54638.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 21779.	\$ 27022.	\$ 48801.
ATL	\$ 13192.	\$ 16368.	\$ 29560.
PAC	\$ 8586.	\$ 10654.	\$ 19240.
FISH:	\$ 9482.	\$ 14789.	\$ 24270.
ATL	\$ 6044.	\$ 9427.	\$ 15470.
PAC	\$ 3438.	\$ 5362.	\$ 8800.
TOTAL:	\$ 31260.	\$ 41810.	\$ 73071.
ATL	\$ 19236.	\$ 25795.	\$ 45031.
PAC	\$ 12024.	\$ 16016.	\$ 28040.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	6.9454	\$ 41774.
ATL	7.0658	\$ 25377.
PAC	6.7682	\$ 16397.
FISH:	7.8410	\$ 21175.
ATL	8.1575	\$ 13574.
PAC	7.3403	\$ 7601.
TOTAL: W/SAR	0.5246	\$ -66209.
ATL	0.5944	\$ -30729.
PAC	0.4414	\$ -35480.
TOTAL: WO/SAR	0.5895	\$ -50892.
ATL	0.6496	\$ -24294.
PAC	0.5132	\$ -26598.

71 3 B 5ES ECAS-VHFFM A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 64108000. ANNUAL O&M \$ 1235000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9375 ALERTING 0.4842 LOCATING 0.4533

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.914 ET=1.000 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 58280.	\$ 7589.	\$ 65869.
ATL	\$ 32378.	\$ 4216.	\$ 36594.
PAC	\$ 25902.	\$ 3373.	\$ 29275.
SAR		\$ 14759.	\$ 14759.
ATL		\$ 6425.	
PAC		\$ 8335.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 69952.	\$ 29794.	\$ 99746.
ATL	\$ 39388.	\$ 15115.	\$ 54503.
PAC	\$ 30564.	\$ 14679.	\$ 45243.
TOTAL: WO/SAR	\$ 69952.	\$ 15035.	\$ 84987.
ATL	\$ 39388.	\$ 8690.	\$ 48078.
PAC	\$ 30564.	\$ 6345.	\$ 36909.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22423.	\$ 27821.	\$ 50244.
ATL	\$ 13478.	\$ 16723.	\$ 30201.
PAC	\$ 8945.	\$ 11098.	\$ 20043.
FISH:	\$ 9740.	\$ 15191.	\$ 24931.
ATL	\$ 6169.	\$ 9622.	\$ 15791.
PAC	\$ 3571.	\$ 5569.	\$ 9140.
TOTAL:	\$ 32163.	\$ 43012.	\$ 75175.
ATL	\$ 19647.	\$ 26345.	\$ 45991.
PAC	\$ 12516.	\$ 16668.	\$ 29183.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.7857	\$ 36972.
ATL	3.8218	\$ 22298.
PAC	3.7328	\$ 14674.
FISH:	4.2641	\$ 19084.
ATL	4.4081	\$ 12208.
PAC	4.0363	\$ 6876.
TOTAL: W/SAR	0.7537	\$ -24571.
ATL	0.8438	\$ -8511.
PAC	0.6450	\$ -16060.
TOTAL: WO/SAR	0.8845	\$ -9812.
ATL	0.9566	\$ -2087.
PAC	0.7907	\$ -7726.

72 3 B SED ECAS-VHFFM A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 115738000. ANNUAL O&M \$ 1377000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
 PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9375 ALERTING 0.4842 LOCATING 0.4533

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.914 ET=1.000 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

0. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

0. PERCENT

AIRCRAFT MONITOR: YES

100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 105216.	\$ 8461.	\$ 113677.
ATL	\$ 58454.	\$ 4701.	\$ 63154.
PAC	\$ 46763.	\$ 3760.	\$ 50523.
SAR		\$ 14759.	\$ 14759.
ATL		\$ 6425.	
PAC		\$ 8335.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 116888.	\$ 30667.	\$ 147555.
ATL	\$ 65464.	\$ 15599.	\$ 81063.
PAC	\$ 51425.	\$ 15067.	\$ 66492.
TOTAL: WD/SAR	\$ 116888.	\$ 15908.	\$ 132796.
ATL	\$ 65464.	\$ 9175.	\$ 74639.
PAC	\$ 51425.	\$ 6733.	\$ 58157.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22423.	\$ 27821.	\$ 50244.
ATL	\$ 13478.	\$ 16723.	\$ 30201.
PAC	\$ 8945.	\$ 11098.	\$ 20043.
FISH:	\$ 9740.	\$ 15191.	\$ 24931.
ATL	\$ 6169.	\$ 9622.	\$ 15791.
PAC	\$ 3571.	\$ 5569.	\$ 9140.
TOTAL:	\$ 32163.	\$ 43012.	\$ 75175.
ATL	\$ 19647.	\$ 26345.	\$ 45991.
PAC	\$ 12516.	\$ 16668.	\$ 29183.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.7857	\$ 36972.
ATL	3.8218	\$ 22298.
PAC	3.7328	\$ 14674.
FISH:	4.2641	\$ 19084.
ATL	4.4081	\$ 12208.
PAC	4.0363	\$ 6876.
TOTAL: W/SAR	0.5095	\$ -72380.
ATL	0.5674	\$ -35072.
PAC	0.4389	\$ -37309.
TOTAL: WD/SAR	0.5661	\$ -57621.
ATL	0.6162	\$ -28647.
PAC	0.5018	\$ -28974.

73 3 B 5FS ECAS-UHFAM A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 64288000. ANNUAL O&M \$ 1235000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9622 ALERTING 0.4842 LOCATING 0.4780

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985 TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000 TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 58444.	\$ 7589.	\$ 66032.
ATL	\$ 32469.	\$ 4216.	\$ 36685.
PAC	\$ 25975.	\$ 3373.	\$ 29348.
SAR		\$ 14220.	\$ 14220.
ATL		\$ 6100.	
PAC		\$ 8120.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 70116.	\$ 29255.	\$ 99371.
ATL	\$ 39479.	\$ 14790.	\$ 54269.
PAC	\$ 30637.	\$ 14465.	\$ 45101.
TOTAL: WO/SAR	\$ 70116.	\$ 15035.	\$ 85151.
ATL	\$ 39479.	\$ 8690.	\$ 48169.
PAC	\$ 30637.	\$ 6345.	\$ 36982.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22852.	\$ 28354.	\$ 51206.
ATL	\$ 13669.	\$ 16959.	\$ 30628.
PAC	\$ 9184.	\$ 11395.	\$ 20579.
FISH:	\$ 9912.	\$ 15460.	\$ 25371.
ATL	\$ 6252.	\$ 9752.	\$ 16004.
PAC	\$ 3659.	\$ 5708.	\$ 9367.
TOTAL:	\$ 32764.	\$ 43813.	\$ 76578.
ATL	\$ 19921.	\$ 26711.	\$ 46632.
PAC	\$ 12843.	\$ 17102.	\$ 29946.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.8583	\$ 37934.
ATL	3.8758	\$ 22725.
PAC	3.8325	\$ 15209.
FISH:	4.3394	\$ 19525.
ATL	4.4677	\$ 12422.
PAC	4.1366	\$ 7103.
TOTAL: W/SAR	0.7706	\$ -22793.
ATL	0.8593	\$ -7637.
PAC	0.6640	\$ -15156.
TOTAL: WO/SAR	0.8993	\$ -8573.
ATL	0.9681	\$ -1537.
PAC	0.8097	\$ -7036.

74 3 B 5FD ECAS-UHFAM A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 115918000. ANNUAL O&M \$ 1377000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9622 ALERTING 0.4842 LOCATING 0.4780

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 105380.	\$ 8461.	\$ 113841.
ATL	\$ 58544.	\$ 4701.	\$ 63245.
PAC	\$ 46836.	\$ 3760.	\$ 50596.
SAR		\$ 14220.	\$ 14220.
ATL		\$ 6100.	
PAC		\$ 8120.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 117052.	\$ 30127.	\$ 147180.
ATL	\$ 65555.	\$ 15275.	\$ 80830.
PAC	\$ 51497.	\$ 14852.	\$ 66350.
TOTAL: WO/SAR	\$ 117052.	\$ 15908.	\$ 132960.
ATL	\$ 65555.	\$ 9175.	\$ 74730.
PAC	\$ 51497.	\$ 6733.	\$ 58230.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22852.	\$ 28354.	\$ 51206.
ATL	\$ 13669.	\$ 16959.	\$ 30628.
PAC	\$ 9184.	\$ 11395.	\$ 20579.
FISH:	\$ 9912.	\$ 15460.	\$ 25371.
ATL	\$ 6252.	\$ 9752.	\$ 16004.
PAC	\$ 3659.	\$ 5708.	\$ 9367.
TOTAL:	\$ 32764.	\$ 43813.	\$ 76578.
ATL	\$ 19921.	\$ 26711.	\$ 46632.
PAC	\$ 12843.	\$ 17102.	\$ 29946.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.8583	\$ 37934.
ATL	3.8758	\$ 22725.
PAC	3.8325	\$ 15209.
FISH:	4.3394	\$ 19525.
ATL	4.4677	\$ 12422.
PAC	4.1366	\$ 7103.
TOTAL: W/SAR	0.5203	\$ -70602.
ATL	0.5769	\$ -34198.
PAC	0.4513	\$ -36404.
TOTAL: WO/SAR	0.5759	\$ -56382.
ATL	0.6240	\$ -28098.
PAC	0.5143	\$ -28284.

75 3 B 5GS ECAS-VHFAM A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 64288000. ANNUAL O&M \$ 1235000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9622 ALERTING 0.4842 LOCATING 0.4780

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 0. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 0. PERCENT
AIRCRAFT MONITOR: YES 100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 58444.	\$ 7589.	\$ 66032.
ATL	\$ 32469.	\$ 4216.	\$ 36685.
PAC	\$ 25975.	\$ 3373.	\$ 29348.
SAR		\$ 14220.	\$ 14220.
ATL		\$ 6100.	
PAC		\$ 8120.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 70116.	\$ 29255.	\$ 99371.
ATL	\$ 39479.	\$ 14790.	\$ 54269.
PAC	\$ 30637.	\$ 14465.	\$ 45101.
TOTAL: WO/SAR	\$ 70116.	\$ 15035.	\$ 85151.
ATL	\$ 39479.	\$ 8690.	\$ 48169.
PAC	\$ 30637.	\$ 6345.	\$ 36982.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 22852.	\$ 28354.	\$ 51206.
ATL	\$ 13669.	\$ 16959.	\$ 30628.
PAC	\$ 9184.	\$ 11395.	\$ 20579.
FISH:	\$ 9912.	\$ 15460.	\$ 25371.
ATL	\$ 6252.	\$ 9752.	\$ 16004.
PAC	\$ 3659.	\$ 5708.	\$ 9367.
TOTAL:	\$ 32764.	\$ 43813.	\$ 76578.
ATL	\$ 19921.	\$ 26711.	\$ 46632.
PAC	\$ 12843.	\$ 17102.	\$ 29946.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.8583	\$ 37934.
ATL	3.8758	\$ 22725.
PAC	3.8325	\$ 15209.
FISH:	4.3394	\$ 19525.
ATL	4.4677	\$ 12422.
PAC	4.1366	\$ 7103.
TOTAL: W/SAR	0.7706	\$ -22793.
ATL	0.8593	\$ -7637.
PAC	0.6640	\$ -15156.
TOTAL: WO/SAR	0.8993	\$ -8573.
ATL	0.9681	\$ -1537.
PAC	0.8097	\$ -7036.

76 3 B 5GD ECAS-VHFAM A/C DF/H ALERTING AND LOCATING

GOVT COST: AC&I \$ 115918000. ANNUAL O&M \$ 1377000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5

SYSTEM EFFECTIVENESS: 0.9622 ALERTING 0.4842 LOCATING 0.4780
SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000
S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.950 EP=1.000
PASS SHIP: NOT GUARDED
A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 0. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 0. PERCENT
AIRCRAFT MONITOR: YES 100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 105380.	\$ 8461.	\$ 113841.
ATL	\$ 58544.	\$ 4701.	\$ 63245.
PAC	\$ 46836.	\$ 3760.	\$ 50596.
SAR		\$ 14220.	\$ 14220.
ATL		\$ 6100.	
PAC		\$ 8120.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 117052.	\$ 30127.	\$ 147180.
ATL	\$ 65555.	\$ 15275.	\$ 80830.
PAC	\$ 51497.	\$ 14852.	\$ 66350.
TOTAL: WO/SAR	\$ 117052.	\$ 15908.	\$ 132960.
ATL	\$ 65555.	\$ 9175.	\$ 74730.
PAC	\$ 51497.	\$ 6733.	\$ 58230.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22852.	\$ 28354.	\$ 51206.
ATL	\$ 13669.	\$ 16959.	\$ 30628.
PAC	\$ 9184.	\$ 11395.	\$ 20579.
FISH:	\$ 9912.	\$ 15460.	\$ 25371.
ATL	\$ 6252.	\$ 9752.	\$ 16004.
PAC	\$ 3659.	\$ 5708.	\$ 9367.
TOTAL:	\$ 32764.	\$ 43813.	\$ 76578.
ATL	\$ 19921.	\$ 26711.	\$ 46632.
PAC	\$ 12843.	\$ 17102.	\$ 29946.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.8583	\$ 37934
ATL	3.8758	\$ 22725.
PAC	3.8325	\$ 15209.
FISH:	4.3394	\$ 19525.
ATL	4.4677	\$ 12422.
PAC	4.1366	\$ 7103.
TOTAL: W/SAR	0.5203	\$ -70602.
ATL	0.5769	\$ -34198.
PAC	0.4513	\$ -36404.
TOTAL: WO/SAR	0.5759	\$ -56382.
ATL	0.6240	\$ -28098.
PAC	0.5143	\$ -28284.

77 3 B 6A

EP121/243A0-SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 342868. ANNUAL O&M \$ 4222200.

USER COST: UNIT COST \$ 200. QUANTITY OF 3000. LEARNING FACTOR 0.88
 PURCHASE PRICE: FROM \$ 193. TO \$ 184. NUMBER OF PRODUCERS 8

SYSTEM EFFECTIVENESS: 0.3972 ALERTING 0.2405 LOCATING 0.1567

SHORE: ES=0.000 ET=0.996 EA=0.995 EP=0.000

S&R UNITS: ES=0.000 ET=0.996 EA=0.995 EL=0.620 EP=0.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 312.	\$ 25944.	\$ 26255.
ATL	\$ 173.	\$ 14413.	\$ 14586.
PAC	\$ 139.	\$ 11530.	\$ 11669.
SAR		\$ 134888.	\$ 134888.
ATL		\$ 54376.	
PAC		\$ 80513.	
COMM:	\$ 4194.	\$ 2617.	\$ 6811.
ATL	\$ 2497.	\$ 1558.	\$ 4055.
PAC	\$ 1697.	\$ 1059.	\$ 2756.
FISH:	\$ 1796.	\$ 1204.	\$ 3001.
ATL	\$ 1100.	\$ 738.	\$ 1838.
PAC	\$ 696.	\$ 466.	\$ 1162.
TOTAL: W/SAR	\$ 6302.	\$ 164654.	\$ 170955.
ATL	\$ 3771.	\$ 71085.	\$ 74856.
PAC	\$ 2531.	\$ 93568.	\$ 96099.
TOTAL: WO/SAR	\$ 6302.	\$ 29765.	\$ 36067.
ATL	\$ 3771.	\$ 16709.	\$ 20480.
PAC	\$ 2531.	\$ 13056.	\$ 15587.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 13597.	\$ 16870.	\$ 30467.
ATL	\$ 9833.	\$ 12200.	\$ 22032.
PAC	\$ 3764.	\$ 4670.	\$ 8435.
FISH:	\$ 6360.	\$ 9920.	\$ 16280.
ATL	\$ 4604.	\$ 7181.	\$ 11784.
PAC	\$ 1756.	\$ 2739.	\$ 4495.
TOTAL:	\$ 19957.	\$ 26790.	\$ 46747.
ATL	\$ 14436.	\$ 19380.	\$ 33817.
PAC	\$ 5520.	\$ 7409.	\$ 12930.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	4.4731	\$ 23656.
ATL	5.4328	\$ 17977.
PAC	3.0608	\$ 5679.
FISH:	5.4256	\$ 13279.
ATL	6.4101	\$ 9946.
PAC	3.8682	\$ 3333.
TOTAL: W/SAR	0.2734	\$ -124209.
ATL	0.4518	\$ -41039.
PAC	0.1345	\$ -83170.
TOTAL: WO/SAR	1.2961	\$ 10680.
ATL	1.6512	\$ 13337.
PAC	0.8295	\$ -2657.

78 3 B 6B EP 2182A - SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 3049624. ANNUAL O&M \$ 3936000.

USER COST: UNIT COST \$ 350. QUANTITY OF 3000. LEARNING FACTOR 0.88
 PURCHASE PRICE: FROM \$ 338. TO \$ 323. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: 0.5329 ALERTING 0.3384 LOCATING 0.1945
 SHORE: ES=0.944 ET=0.996 EA=0.995 EP=0.000
 S&R UNITS: ES=0.944 ET=0.996 EA=0.995 EL=0.200 EP=0.000
 PASS SHIP: ES=0.944 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 16. N. M.
 PASS SHIP: ES=0.944 ET=1.000 EA=0.995 EL=0.200 EP=1.000 LOCATING RANGE= 16. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
 COMMERCIAL SHIPS: FROM 18985.10 27022. 10. PERCENT
 FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
 AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2772.	\$ 24185.	\$ 26957.
ATL	\$ 1540.	\$ 13436.	\$ 14976.
PAC	\$ 1232.	\$ 10749.	\$ 11981.
SAR		\$ 50349.	\$ 50349.
ATL		\$ 18415.	
PAC		\$ 31934.	
CUMM:	\$ 7340.	\$ 4580.	\$ 11919.
ATL	\$ 4370.	\$ 2727.	\$ 7097.
PAC	\$ 2969.	\$ 1853.	\$ 4822.
FISH:	\$ 3143.	\$ 2108.	\$ 5251.
ATL	\$ 1926.	\$ 1291.	\$ 3217.
PAC	\$ 1217.	\$ 816.	\$ 2034.
TOTAL: W/SAR	\$ 13255.	\$ 81222.	\$ 94477.
ATL	\$ 7836.	\$ 35870.	\$ 43706.
PAC	\$ 5419.	\$ 45352.	\$ 50771.
TOTAL: WO/SAR	\$ 13255.	\$ 30873.	\$ 44128.
ATL	\$ 7836.	\$ 17454.	\$ 25291.
PAC	\$ 5419.	\$ 13418.	\$ 18837.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 15746.	\$ 19537.	\$ 35283.
ATL	\$ 10841.	\$ 13451.	\$ 24292.
PAC	\$ 4905.	\$ 6086.	\$ 10991.
FISH:	\$ 9085.	\$ 14170.	\$ 23256.
ATL	\$ 6107.	\$ 9525.	\$ 15631.
PAC	\$ 2979.	\$ 4646.	\$ 7625.
TOTAL:	\$ 24832.	\$ 33708.	\$ 58539.
ATL	\$ 16948.	\$ 22976.	\$ 39923.
PAC	\$ 7884.	\$ 10732.	\$ 18616.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	2.9602	\$ 23364.
ATL	3.4228	\$ 17195.
PAC	2.2792	\$ 6169.
FISH:	4.4289	\$ 18005.
ATL	4.8587	\$ 12414.
PAC	3.7491	\$ 5591.
TOTAL: W/SAR	0.6196	\$ -35938.
ATL	0.9135	\$ -3783.
PAC	0.3667	\$ -32155.
TOTAL: WO/SAR	1.3266	\$ 14411.
ATL	1.5786	\$ 14633.
PAC	0.9882	\$ -221.

79 3 B 6CS ECAS- 2182 SP DF/H ALERTING AND LOCATING

GOVT COST: AC&I \$ 63809000. ANNUAL O&M \$ 1176000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 797. TO \$ 760. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9594 ALERTING 0.4969 LOCATING 0.4626

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.880 ET=1.000 EA=0.995 EL=0.700 EP=1.000

PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 37. N. M.

PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.700 EP=1.000 LOCATING RANGE= 32. N. M.

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:

	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	10. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	90. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)

	A C & I	PV O & E	TOTAL
GOVT:	\$ 58008.	\$ 7226.	\$ 65234.
ATL	\$ 32227.	\$ 4014.	\$ 36241.
PAC	\$ 25781.	\$ 3212.	\$ 28993.
SAR		\$ 13376.	\$ 13376.
ATL		\$ 5994.	
PAC		\$ 7382.	
COMM:	\$ 17306.	\$ 10799.	\$ 28105.
ATL	\$ 10304.	\$ 6430.	\$ 16734.
PAC	\$ 7002.	\$ 4369.	\$ 11371.
FISH:	\$ 7411.	\$ 4970.	\$ 12381.
ATL	\$ 4541.	\$ 3045.	\$ 7586.
PAC	\$ 2870.	\$ 1925.	\$ 4795.
TOTAL: W/SAR	\$ 82726.	\$ 36371.	\$ 119096.
ATL	\$ 47072.	\$ 19483.	\$ 66555.
PAC	\$ 35654.	\$ 16887.	\$ 52541.
TOTAL: WO/SAR	\$ 82726.	\$ 22995.	\$ 105721.
ATL	\$ 47072.	\$ 13489.	\$ 60561.
PAC	\$ 35654.	\$ 9506.	\$ 45159.

BENEFITS: (\$000)

	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 23007.	\$ 28545.	\$ 51552.
ATL	\$ 13828.	\$ 17157.	\$ 30985.
PAC	\$ 9179.	\$ 11388.	\$ 20567.
FISH:	\$ 10111.	\$ 15770.	\$ 25881.
ATL	\$ 6360.	\$ 9920.	\$ 16280.
PAC	\$ 3751.	\$ 5850.	\$ 9601.
TOTAL:	\$ 33117.	\$ 44315.	\$ 77433.
ATL	\$ 20188.	\$ 27077.	\$ 47265.
PAC	\$ 12929.	\$ 17238.	\$ 30168.

MEASURES OF EFFECTIVENESS

	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.8343	\$ 23447.
ATL	1.8516	\$ 14251.
PAC	1.8087	\$ 9196.
FISH:	2.0903	\$ 13499.
ATL	2.1460	\$ 8694.
PAC	2.0021	\$ 4806.
TOTAL: W/SAR	0.6502	\$ -41663.
ATL	0.7102	\$ -19290.
PAC	0.5742	\$ -22373.
TOTAL: WO/SAR	0.7324	\$ -28288.
ATL	0.7804	\$ -13296.
PAC	0.6680	\$ -14991.

80 3 B 6CD ECAS- 2182 SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 115439000. ANNUAL O&M \$ 1319000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 797. TO \$ 760. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.9594 ALERTING 0.4969 LOCATING 0.4626
SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000
S&R UNITS: ES=0.880 ET=1.000 EA=0.995 EL=0.700 EP=1.000
PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 37. N. M.
PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.700 EP=1.000 LOCATING RANGE= 32. N. M.
A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
AIRCRAFT MONITOR: YES 100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 104945.	\$ 8105.	\$ 113049.
ATL	\$ 58303.	\$ 4503.	\$ 62805.
PAC	\$ 46642.	\$ 3602.	\$ 50244.
SAR		\$ 13376.	\$ 13376.
ATL		\$ 5994.	
PAC		\$ 7382.	
COMM:	\$ 17306.	\$ 10799.	\$ 28105.
ATL	\$ 10304.	\$ 6430.	\$ 16734.
PAC	\$ 7002.	\$ 4369.	\$ 11371.
FISH:	\$ 7411.	\$ 4970.	\$ 12381.
ATL	\$ 4541.	\$ 3045.	\$ 7586.
PAC	\$ 2870.	\$ 1925.	\$ 4795.
TOTAL: W/SAR	\$ 129662.	\$ 37249.	\$ 166911.
ATL	\$ 73148.	\$ 19972.	\$ 93119.
PAC	\$ 56514.	\$ 17278.	\$ 73792.
TOTAL: WO/SAR	\$ 129662.	\$ 23874.	\$ 153536.
ATL	\$ 73148.	\$ 13978.	\$ 87125.
PAC	\$ 56514.	\$ 9896.	\$ 66410.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 23007.	\$ 28545.	\$ 51552.
ATL	\$ 13828.	\$ 17157.	\$ 30985.
PAC	\$ 9179.	\$ 11388.	\$ 20567.
FISH:	\$ 10111.	\$ 15770.	\$ 25881.
ATL	\$ 6360.	\$ 9920.	\$ 16280.
PAC	\$ 3751.	\$ 5850.	\$ 9601.
TOTAL:	\$ 33117.	\$ 44315.	\$ 77433.
ATL	\$ 20188.	\$ 27077.	\$ 47265.
PAC	\$ 12929.	\$ 17238.	\$ 30168.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.8343	\$ 23447.
ATL	1.8516	\$ 14251.
PAC	1.8087	\$ 9196.
FISH:	2.0903	\$ 13499.
ATL	2.1460	\$ 8694.
PAC	2.0021	\$ 4806.
TOTAL: W/SAR	0.4639	\$ -89478.
ATL	0.5076	\$ -45854.
PAC	0.4088	\$ -43624.
TOTAL: WO/SAR	0.5043	\$ -76103.
ATL	0.5425	\$ -39860.
PAC	0.4543	\$ -36242.

81 3 B 6DS ECAS-121/243SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 61923000. ANNUAL O&M \$ 1079000.

USER COST: UNIT COST \$ 225. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 199. TO \$ 190. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.7998 ALERTING 0.4842 LOCATING 0.3155

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.750 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 56294.	\$ 6630.	\$ 62924.
ATL	\$ 31274.	\$ 3683.	\$ 34958.
PAC	\$ 25019.	\$ 2947.	\$ 27966.
SAR		\$ 58483.	\$ 58483.
ATL		\$ 25792.	
PAC		\$ 32691.	
COMM:	\$ 4327.	\$ 2700.	\$ 7026.
ATL	\$ 2576.	\$ 1607.	\$ 4184.
PAC	\$ 1750.	\$ 1092.	\$ 2843.
FISH:	\$ 1853.	\$ 1242.	\$ 3095.
ATL	\$ 1135.	\$ 761.	\$ 1896.
PAC	\$ 718.	\$ 481.	\$ 1199.
TOTAL: W/SAR	\$ 62473.	\$ 69055.	\$ 131528.
ATL	\$ 34986.	\$ 31844.	\$ 66830.
PAC	\$ 27487.	\$ 37211.	\$ 64698.
TOTAL: WO/SAR	\$ 62473.	\$ 10572.	\$ 73045.
ATL	\$ 34986.	\$ 6052.	\$ 41038.
PAC	\$ 27487.	\$ 4520.	\$ 32008.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 20024.	\$ 24844.	\$ 44868.
ATL	\$ 12414.	\$ 15402.	\$ 27816.
PAC	\$ 7610.	\$ 9442.	\$ 17052.
FISH:	\$ 8778.	\$ 13692.	\$ 22471.
ATL	\$ 5703.	\$ 8895.	\$ 14598.
PAC	\$ 3076.	\$ 4797.	\$ 7873.
TOTAL:	\$ 28802.	\$ 38536.	\$ 67339.
ATL	\$ 18117.	\$ 24297.	\$ 42414.
PAC	\$ 10686.	\$ 14239.	\$ 24925.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	6.3858	\$ 37842.
ATL	6.6488	\$ 23632.
PAC	5.9987	\$ 14210.
FISH:	7.2596	\$ 19375.
ATL	7.6975	\$ 12701.
PAC	6.5669	\$ 6674.
TOTAL: W/SAR	0.5120	\$ -64189.
ATL	0.6347	\$ -24416.
PAC	0.3852	\$ -39773.
TOTAL: WO/SAR	0.9219	\$ -5706.
ATL	1.0335	\$ 1376.
PAC	0.7787	\$ -7083.

82 3 B 6DD ECAS-121/243SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 113553000. ANNUAL O&M \$ 1222000.

USER COST: UNIT COST \$ 225. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 199. TO \$ 190. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.7998 ALERTING 0.4842 LOCATING 0.3155

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.750 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 103230.	\$ 7509.	\$ 110739.
ATL	\$ 57350.	\$ 4171.	\$ 61521.
PAC	\$ 45880.	\$ 3337.	\$ 49217.
SAR		\$ 58483.	\$ 58483.
ATL		\$ 25792.	
PAC		\$ 32691.	
COMM:	\$ 4327.	\$ 2700.	\$ 7026.
ATL	\$ 2576.	\$ 1607.	\$ 4184.
PAC	\$ 1750.	\$ 1092.	\$ 2843.
FISH:	\$ 1853.	\$ 1242.	\$ 3095.
ATL	\$ 1135.	\$ 761.	\$ 1896.
PAC	\$ 718.	\$ 481.	\$ 1199.
TOTAL: W/SAR	\$ 109409.	\$ 69934.	\$ 179343.
ATL	\$ 61061.	\$ 32333.	\$ 93394.
PAC	\$ 48348.	\$ 37601.	\$ 85949.
TOTAL: WO/SAR	\$ 109409.	\$ 11451.	\$ 120860.
ATL	\$ 61061.	\$ 6540.	\$ 67602.
PAC	\$ 48348.	\$ 4911.	\$ 53259.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 20024.	\$ 24844.	\$ 44868.
ATL	\$ 12414.	\$ 15402.	\$ 27816.
PAC	\$ 7610.	\$ 9442.	\$ 17052.
FISH:	\$ 8778.	\$ 13692.	\$ 22471.
ATL	\$ 5703.	\$ 8895.	\$ 14598.
PAC	\$ 3076.	\$ 4797.	\$ 7873.
TOTAL:	\$ 28802.	\$ 38536.	\$ 67339.
ATL	\$ 18117.	\$ 24297.	\$ 42414.
PAC	\$ 10686.	\$ 14239.	\$ 24925.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	6.3858	\$ 37842.
ATL	6.6488	\$ 23632.
PAC	5.9987	\$ 14210.
FISH:	7.2596	\$ 19375.
ATL	7.6975	\$ 12701.
PAC	6.5669	\$ 6674.
TOTAL: W/SAR	0.3755	\$ -112004.
ATL	0.4541	\$ -50980.
PAC	0.2900	\$ -61025.
TOTAL: WO/SAR	0.5572	\$ -53521.
ATL	0.6274	\$ -25188.
PAC	0.4680	\$ -28334.

83 3 B 6ES ECAS-VHF FM SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 63986000. ANNUAL O&M \$ 1230000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8345 ALERTING 0.4842 LOCATING 0.3503

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.914 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0 PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0 PERCENT
AIRCRAFT MONITOR:	YES	100 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 58169.	\$ 7558.	\$ 65727.
ATL	\$ 32316.	\$ 4199.	\$ 36515.
PAC	\$ 25853.	\$ 3359.	\$ 29212.
SAR		\$ 20389.	\$ 20389.
ATL		\$ 8177.	
PAC		\$ 12212.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 69841.	\$ 35394.	\$ 105235.
ATL	\$ 39326.	\$ 16850.	\$ 56177.
PAC	\$ 30515.	\$ 18543.	\$ 49058.
TOTAL: WO/SAR	\$ 69841.	\$ 15004.	\$ 84845.
ATL	\$ 39326.	\$ 8673.	\$ 48000.
PAC	\$ 30515.	\$ 6331.	\$ 36846.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 20629.	\$ 25595.	\$ 46224.
ATL	\$ 12682.	\$ 15735.	\$ 28417.
PAC	\$ 7947.	\$ 9860.	\$ 17806.
FISH:	\$ 9021.	\$ 14070.	\$ 23091.
ATL	\$ 5820.	\$ 9078.	\$ 14899.
PAC	\$ 3200.	\$ 4992.	\$ 8192.
TOTAL:	\$ 29650.	\$ 39665.	\$ 69315.
ATL	\$ 18503.	\$ 24813.	\$ 43316.
PAC	\$ 11147.	\$ 14851.	\$ 25999.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.4828	\$ 32952.
ATL	3.5961	\$ 20515.
PAC	3.3162	\$ 12437.
FISH:	3.9494	\$ 17244.
ATL	4.1591	\$ 11316.
PAC	3.6177	\$ 5928.
TOTAL: W/SAR	0.6587	\$ -35920.
ATL	0.7711	\$ -12861.
PAC	0.5300	\$ -23059.
TOTAL: WO/SAR	0.8170	\$ -15531.
ATL	0.9024	\$ -4684.
PAC	0.7056	\$ -10847.

84 3 B 6ED ECAS-VHF FM SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 115616000. ANNUAL O&M \$ 1373000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8345 ALERTING 0.4842 LOCATING 0.3503

SHORE: ES=0.944 ET=1.000 EA=0.995 EF=1.000

S&R UNITS: ES=0.914 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985. TO 27022.

0. PERCENT

FISHING VESSELS: FROM 10000. TO 10366.

0. PERCENT

AIRCRAFT MONITOR: YES

100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 105105.	\$ 8436.	\$ 113542.
ATL	\$ 58392.	\$ 4687.	\$ 63079.
PAC	\$ 46714.	\$ 3750.	\$ 50463.
SAR		\$ 20389.	\$ 20389.
ATL		\$ 8177.	
PAC		\$ 12212.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 116778.	\$ 36272.	\$ 153050.
ATL	\$ 65402.	\$ 17339.	\$ 82741.
PAC	\$ 51375.	\$ 18934.	\$ 70309.
TOTAL: WO/SAR	\$ 116778.	\$ 15883.	\$ 132661.
ATL	\$ 65402.	\$ 9161.	\$ 74563.
PAC	\$ 51375.	\$ 6722.	\$ 58097.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 20629.	\$ 25595.	\$ 46224.
ATL	\$ 12682.	\$ 15735.	\$ 28417.
PAC	\$ 7947.	\$ 9860.	\$ 17806.
FISH:	\$ 9021.	\$ 14070.	\$ 23091.
ATL	\$ 5820.	\$ 9078.	\$ 14899.
PAC	\$ 3200.	\$ 4992.	\$ 8192.
TOTAL:	\$ 29650.	\$ 39665.	\$ 69315.
ATL	\$ 18503.	\$ 24813.	\$ 43316.
PAC	\$ 11147.	\$ 14851.	\$ 25999.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.4828	\$ 32952.
ATL	3.5961	\$ 20515.
PAC	3.3162	\$ 12437.
FISH:	3.9494	\$ 17244.
ATL	4.1591	\$ 11316.
PAC	3.6177	\$ 5928.
TOTAL: W/SAR	0.4529	\$ -83735.
ATL	0.5235	\$ -39425.
PAC	0.3698	\$ -44311.
TOTAL: WO/SAR	0.5225	\$ -63346.
ATL	0.5809	\$ -31247.
PAC	0.4475	\$ -32099.

85 3 B 6FS ECAS-UHF AM SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 61923000. ANNUAL O&M \$ 1079000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8506 ALERTING 0.4842 LOCATING 0.3664

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 56294.	\$ 6630.	\$ 62924.
ATL	\$ 31274.	\$ 3683.	\$ 34958.
PAC	\$ 25019.	\$ 2947.	\$ 27966.
SAR		\$ 18053.	\$ 18053.
ATL		\$ 7390.	
PAC		\$ 10664.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 67966.	\$ 32130.	\$ 100096.
ATL	\$ 38285.	\$ 15547.	\$ 53832.
PAC	\$ 29681.	\$ 16583.	\$ 46264.
TOTAL: WO/SAR	\$ 67966.	\$ 14076.	\$ 82042.
ATL	\$ 38285.	\$ 8158.	\$ 46442.
PAC	\$ 29681.	\$ 5919.	\$ 35600.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 20909.	\$ 25943.	\$ 46852.
ATL	\$ 12806.	\$ 15889.	\$ 28696.
PAC	\$ 8103.	\$ 10053.	\$ 18156.
FISH:	\$ 9133.	\$ 14245.	\$ 23378.
ATL	\$ 5875.	\$ 9163.	\$ 15038.
PAC	\$ 3258.	\$ 5082.	\$ 8340.
TOTAL:	\$ 30042.	\$ 40188.	\$ 70230.
ATL	\$ 18681.	\$ 25053.	\$ 43734.
PAC	\$ 11361.	\$ 15135.	\$ 26496.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.5301	\$ 33580.
ATL	3.6313	\$ 20794.
PAC	3.3813	\$ 12786.
FISH:	3.9986	\$ 17532.
ATL	4.1980	\$ 11456.
PAC	3.6831	\$ 6076.
TOTAL: W/SAR	0.7016	\$ -29866.
ATL	0.8124	\$ -10098.
PAC	0.5727	\$ -19768.
TOTAL: WO/SAR	0.8560	\$ -11812.
ATL	0.9417	\$ -2708.
PAC	0.7443	\$ -9104.

86 3 B 6FD ECAS-UHF AM SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 113553000. ANNUAL O&M \$ 1222000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8506 ALERTING 0.4842 LOCATING 0.3664

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 103230.	\$ 7509.	\$ 110739.
ATL	\$ 57350.	\$ 4171.	\$ 61521.
PAC	\$ 45880.	\$ 3337.	\$ 49217.
SAR		\$ 18053.	\$ 18053.
ATL		\$ 7390.	
PAC		\$ 10664.	
CUMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 114902.	\$ 33009.	\$ 147911.
ATL	\$ 64360.	\$ 16036.	\$ 80396.
PAC	\$ 50542.	\$ 16973.	\$ 67515.
TOTAL: WO/SAR	\$ 114902.	\$ 14955.	\$ 129857.
ATL	\$ 64360.	\$ 8646.	\$ 73006.
PAC	\$ 50542.	\$ 6309.	\$ 56851.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
CUMM:	\$ 20909.	\$ 25943.	\$ 46852.
ATL	\$ 12806.	\$ 15889.	\$ 28696.
PAC	\$ 8103.	\$ 10053.	\$ 18156.
FISH:	\$ 9133.	\$ 14245.	\$ 23378.
ATL	\$ 5875.	\$ 9163.	\$ 15038.
PAC	\$ 3258.	\$ 5082.	\$ 8340.
TOTAL:	\$ 30042.	\$ 40188.	\$ 70230.
ATL	\$ 18681.	\$ 25053.	\$ 43734.
PAC	\$ 11361.	\$ 15135.	\$ 26496.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
CUMM:	3.5301	\$ 33580.
ATL	3.6313	\$ 20794.
PAC	3.3813	\$ 12786.
FISH:	3.9986	\$ 17532.
ATL	4.1980	\$ 11456.
PAC	3.6831	\$ 6076.
TOTAL: W/SAR	0.4748	\$ -77681.
ATL	0.5440	\$ -36662.
PAC	0.3924	\$ -41019.
TOTAL: WO/SAR	0.5408	\$ -59627.
ATL	0.5990	\$ -29272.
PAC	0.4661	\$ -30355.

87 3 B 6GS ECAS-VHF AM SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 61923000. ANNUAL O&M \$ 1079000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8506 ALERTING 0.4842 LOCATING 0.3664

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:

COMMERCIAL SHIPS: FROM 18985. TO 27022
FISHING VESSELS: FROM 10000. TO 10366
AIRCRAFT MONITOR: YES

MAINTAIN WATCH

0. PERCENT

0. PERCENT

100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 56294.	\$ 6630.	\$ 62924.
ATL	\$ 31274.	\$ 3683.	\$ 34958.
PAC	\$ 25019.	\$ 2947.	\$ 27966.
SAR		\$ 18053.	\$ 18053.
ATL		\$ 7390.	
PAC		\$ 10664.	
CUMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 67966.	\$ 32130.	\$ 100096.
ATL	\$ 38285.	\$ 15547.	\$ 53832.
PAC	\$ 29681.	\$ 16583.	\$ 46264.
TOTAL: WO/SAR	\$ 67966.	\$ 14076.	\$ 82042.
ATL	\$ 38285.	\$ 8158.	\$ 46442.
PAC	\$ 29681.	\$ 5919.	\$ 35600.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 20909.	\$ 25943.	\$ 46852.
ATL	\$ 12806.	\$ 15889.	\$ 28696.
PAC	\$ 8103.	\$ 10053.	\$ 18156.
FISH:	\$ 9133.	\$ 14245.	\$ 23378.
ATL	\$ 5875.	\$ 9163.	\$ 15038.
PAC	\$ 3258.	\$ 5082.	\$ 8340.
TOTAL:	\$ 30042.	\$ 40188.	\$ 70230.
ATL	\$ 18681.	\$ 25053.	\$ 43734.
PAC	\$ 11361.	\$ 15135.	\$ 26496.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFIT'S MINUS COST:
COMM:	3.5301	\$ 33580.
ATL	3.6313	\$ 20794.
PAC	3.3813	\$ 12786.
FISH:	3.9986	\$ 17532.
ATL	4.1980	\$ 11456.
PAC	3.6831	\$ 6076.
TOTAL: W/SAR	0.7016	\$ -29866.
ATL	0.8124	\$ -10098.
PAC	0.5727	\$ -19768.
TOTAL: WO/SAR	0.8560	\$ -11812.
ATL	0.9417	\$ -2708.
PAC	0.7443	\$ -9104.

88 3 B 66D ECAS-VHF AM SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 113553000. ANNUAL O&M \$ 1222000.

USER COST: UNIT COST \$ 425. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 376. TO \$ 359. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8506 ALERTING 0.4842 LOCATING 0.3664

SHORE: ES=0.944 ET=1.000 EA=0.995 EP=1.000

S&R UNITS: ES=0.990 ET=1.000 EA=0.995 EL=0.620 EP=1.000

PASS SHIP: NOT GUARDED

A/C OVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0. PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0. PERCENT
AIRCRAFT MONITOR:	YES	100. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 103230.	\$ 7509.	\$ 110739.
ATL	\$ 57350.	\$ 4171.	\$ 61521.
PAC	\$ 45880.	\$ 3337.	\$ 49217.
SAR		\$ 18053.	\$ 18053.
ATL		\$ 7390.	
PAC		\$ 10664.	
COMM:	\$ 8172.	\$ 5100.	\$ 13272.
ATL	\$ 4866.	\$ 3036.	\$ 7902.
PAC	\$ 3306.	\$ 2063.	\$ 5370.
FISH:	\$ 3500.	\$ 2347.	\$ 5847.
ATL	\$ 2144.	\$ 1438.	\$ 3582.
PAC	\$ 1355.	\$ 909.	\$ 2264.
TOTAL: W/SAR	\$ 114902.	\$ 33009.	\$ 147911.
ATL	\$ 64360.	\$ 16036.	\$ 80396.
PAC	\$ 50542.	\$ 16973.	\$ 67515.
TOTAL: WO/SAR	\$ 114902.	\$ 14955.	\$ 129857.
ATL	\$ 64360.	\$ 8646.	\$ 73006.
PAC	\$ 50542.	\$ 6309.	\$ 56851.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 20909.	\$ 25943.	\$ 46852.
ATL	\$ 12806.	\$ 15889.	\$ 28696.
PAC	\$ 8103.	\$ 10053.	\$ 18156.
FISH:	\$ 9133.	\$ 14245.	\$ 23378.
ATL	\$ 5875.	\$ 9163.	\$ 15038.
PAC	\$ 3258.	\$ 5082.	\$ 8340.
TOTAL:	\$ 30042.	\$ 40188.	\$ 70230.
ATL	\$ 18681.	\$ 25053.	\$ 43734.
PAC	\$ 11361.	\$ 15135.	\$ 26496.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	3.5301	\$ 33580.
ATL	3.6313	\$ 20794.
PAC	3.3813	\$ 12786.
FISH:	3.9986	\$ 17532.
ATL	4.1980	\$ 11456.
PAC	3.6831	\$ 6076.
TOTAL: W/SAR	0.4748	\$ -77681.
ATL	0.5440	\$ -36662.
PAC	0.3924	\$ -41019.
TOTAL: WO/SAR	0.5408	\$ -59627.
ATL	0.5990	\$ -29272.
PAC	0.4661	\$ -30355.

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COMPUTER SCIENCES CORP FALLS CHURCH VA
STUDY OF ALERTING AND LOCATING TECHNIQUES AND THEIR IMPACT (SAL--ETC(U)
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SUR 500A-SHORE DF L

ALERTING AND LOCATING

GOVT COST: AC&I \$ 1200000. ANNUAL O&M \$ 806000.

USER COST: UNIT COST \$ 3000. QUANTITY OF 3651. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 2973. TO \$ 2736. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8387 ALERTING 0.4296 LOCATING 0.4091

SHORE: ES=0.980 ET=0.996 EA=0.995 EP=0.000

S&R UNITS: ES=0.980 ET=0.996 EA=0.995 EL=0.950 EP=0.000

PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 27. N. M.

PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EL=0.950 EP=1.000 LOCATING RANGE= 20. N. M.

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	100. PERCENT
FISHING VESSELS:	FROM 0. TO 0.	0. PERCENT
AIRCRAFT MONITOR:	NO	0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 1091.	\$ 4953.	\$ 6043.
ATL	\$ 606.	\$ 2751.	\$ 3357.
PAC	\$ 485.	\$ 2201.	\$ 2686.
SAR		\$ 15230.	\$ 15230.
ATL		\$ 5955.	
PAC		\$ 9275.	
COMM:	\$ 64299.	\$ 40194.	\$ 104493.
ATL	\$ 38285.	\$ 23932.	\$ 62217.
PAC	\$ 26014.	\$ 16262.	\$ 42276.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 65390.	\$ 60376.	\$ 125766.
ATL	\$ 38891.	\$ 32639.	\$ 71530.
PAC	\$ 26499.	\$ 27737.	\$ 54236.
TOTAL: WO/SAR	\$ 65390.	\$ 45146.	\$ 110536.
ATL	\$ 38891.	\$ 26684.	\$ 65575.
PAC	\$ 26499.	\$ 18463.	\$ 44962.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22956.	\$ 28483.	\$ 51439.
ATL	\$ 13915.	\$ 17265.	\$ 31179.
PAC	\$ 9042.	\$ 11218.	\$ 20260.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 22956.	\$ 28483.	\$ 51439.
ATL	\$ 13915.	\$ 17265.	\$ 31179.
PAC	\$ 9042.	\$ 11218.	\$ 20260.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4923	\$ -53054.
ATL	0.5011	\$ -31038.
PAC	0.4792	\$ -22016.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.4090	\$ -74327.
ATL	0.4359	\$ -40350.
PAC	0.3735	\$ -33977.
TOTAL: WO/SAR	0.4654	\$ -59097.
ATL	0.4755	\$ -34395.
PAC	0.4506	\$ -24702.

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SUR8364A-SHORE DF L

ALERTING AND LOCATING

GOVT COST: AC&I \$ 3600000. ANNUAL O&M \$ 841000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862. TO \$ 807. NUMBER OF PRODUCERS 5.SYSTEM EFFECTIVENESS: 0.5433 ALERTING 0.3292 LOCATING 0.2140
SHORE: ES=0.968 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.650 EP=GEOGRAPHIC
PASS SHIP: NOT GUARDEDSYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 0. PERCENT
FISHING VESSELS: FROM 0. TO 0. 0. PERCENT
AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 3273.	\$ 5168.	\$ 8440.
ATL	\$ 1818.	\$ 2871.	\$ 4689.
PAC	\$ 1455.	\$ 2297.	\$ 3751.
SAR		\$ 71815.	\$ 71815.
ATL		\$ 35128.	
PAC		\$ 36687.	
COMM:	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 21947.	\$ 88646.	\$ 110593.
ATL	\$ 12937.	\$ 44944.	\$ 57881.
PAC	\$ 9010.	\$ 43702.	\$ 52712.
TOTAL: WO/SAR	\$ 21947.	\$ 16831.	\$ 38778.
ATL	\$ 12937.	\$ 9815.	\$ 22753.
PAC	\$ 9010.	\$ 7015.	\$ 16025.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 13767.	\$ 17081.	\$ 30848.
ATL	\$ 8913.	\$ 11059.	\$ 19972.
PAC	\$ 4854.	\$ 6022.	\$ 10876.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 13767.	\$ 17081.	\$ 30848.
ATL	\$ 8913.	\$ 11059.	\$ 19972.
PAC	\$ 4854.	\$ 6022.	\$ 10876.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.0168	\$ 511.
ATL	1.1056	\$ 1908.
PAC	0.8861	\$ -1398.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.2789	\$ -79745.
ATL	0.3450	\$ -37909.
PAC	0.2063	\$ -41836.
TOTAL: WO/SAR	0.7955	\$ -7930.
ATL	0.8778	\$ -2781.
PAC	0.6787	\$ -5149.

91 3 B 8A SUR 500A- A/C DF/H ALERTING AND LOCATING

GOVT COST: AC&I \$ 2543800. ANNUAL O&M \$ 837400.

USER COST: UNIT COST \$ 3000. QUANTITY OF 3651. LEARNING FACTOR 0.85
PURCHASE PRICE: FROM \$ 2973. TO \$ 2736. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.8354 ALERTING 0.4296 LOCATING 0.4058
SHORE: ES=0.980 ET=0.996 EA=0.995 EP=0.000
S&R UNITS: ES=0.980 ET=0.996 EA=0.995 EL=0.900 EP=0.000
PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 27. N. M.
PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EL=0.900 EP=1.000 LOCATING RANGE= 20. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 100. PERCENT
FISHING VESSELS: FROM 0. TO 0. 0. PERCENT
AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2313.	\$ 5145.	\$ 7458.
ATL	\$ 1285.	\$ 2859.	\$ 4143.
PAC	\$ 1028.	\$ 2287.	\$ 3315.
SAR		\$ 15505.	\$ 15505.
ATL		\$ 5964.	
PAC		\$ 9542.	
COMM:	\$ 64299.	\$ 40194.	\$ 104493.
ATL	\$ 38285.	\$ 23932.	\$ 62217.
PAC	\$ 26014.	\$ 16262.	\$ 42276.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 66612.	\$ 60844.	\$ 127456.
ATL	\$ 39570.	\$ 32754.	\$ 72324.
PAC	\$ 27042.	\$ 28090.	\$ 55132.
TOTAL: WO/SAR	\$ 66612.	\$ 45339.	\$ 111951.
ATL	\$ 39570.	\$ 26791.	\$ 66361.
PAC	\$ 27042.	\$ 18548.	\$ 45590.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 22929.	\$ 28449.	\$ 51378.
ATL	\$ 13913.	\$ 17262.	\$ 31176.
PAC	\$ 9016.	\$ 11187.	\$ 20203.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 22929.	\$ 28449.	\$ 51378.
ATL	\$ 13913.	\$ 17262.	\$ 31176.
PAC	\$ 9016.	\$ 11187.	\$ 20203.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	0.4917	\$ -53115.
ATL	0.5011	\$ -31042.
PAC	0.4779	\$ -22073.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.4031	\$ -76078.
ATL	0.4311	\$ -41148.
PAC	0.3664	\$ -34929.
TOTAL: WO/SAR	0.4589	\$ -60573.
ATL	0.4698	\$ -35185.
PAC	0.4431	\$ -25383.

92 3 B 8B

SUR 2182A- A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 2812800. ANNUAL O&M \$ 3747200.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
 PURCHASE PRICE: FROM \$ 824. TO \$ 786. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: 0.7850 ALERTING 0.4045 LOCATING 0.3806
 SHURE: ES=0.880 ET=0.996 EA=0.995 EP=0.000
 SAR UNITS: ES=0.880 ET=0.996 EA=0.995 EL=0.850 EP=0.000
 PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 37. N. M.
 PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.850 EP=1.000 LOCATING RANGE= 32. N. M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
 COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
 FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
 AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 2557.	\$ 23025.	\$ 25582.
ATL	\$ 1421.	\$ 12792.	\$ 14212.
PAC	\$ 1136.	\$ 10233.	\$ 11370.
SAR		\$ 14582.	\$ 14582.
ATL		\$ 6090.	
PAC		\$ 8492.	
COMM:	\$ 17898.	\$ 11168.	\$ 29066.
ATL	\$ 10657.	\$ 6650.	\$ 17307.
PAC	\$ 7241.	\$ 4518.	\$ 11760.
FISH:	\$ 7665.	\$ 5140.	\$ 12805.
ATL	\$ 4696.	\$ 3149.	\$ 7845.
PAC	\$ 2969.	\$ 1991.	\$ 4959.
TOTAL: W/SAR	\$ 28120.	\$ 53915.	\$ 82035.
ATL	\$ 16774.	\$ 28681.	\$ 45455.
PAC	\$ 11346.	\$ 25234.	\$ 36580.
TOTAL: WD/SAR	\$ 28120.	\$ 39333.	\$ 67453.
ATL	\$ 16774.	\$ 22591.	\$ 39364.
PAC	\$ 11346.	\$ 16742.	\$ 28089.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 21233.	\$ 26344.	\$ 47577.
ATL	\$ 13525.	\$ 16780.	\$ 30305.
PAC	\$ 7708.	\$ 9564.	\$ 17272.
FISH:	\$ 9974.	\$ 15557.	\$ 25532.
ATL	\$ 6351.	\$ 9905.	\$ 16256.
PAC	\$ 3624.	\$ 5652.	\$ 9275.
TOTAL:	\$ 31207.	\$ 41901.	\$ 73108.
ATL	\$ 19875.	\$ 26686.	\$ 46561.
PAC	\$ 11332.	\$ 15215.	\$ 26547.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.6368	\$ 18510.
ATL	1.7511	\$ 12998.
PAC	1.4687	\$ 5512.
FISH:	1.9940	\$ 12727.
ATL	2.0721	\$ 8411.
PAC	1.8703	\$ 4316.
TOTAL: W/SAR	0.8912	\$ -8927.
ATL	1.0243	\$ 1107.
PAC	0.7257	\$ -10033.
TOTAL: WD/SAR	1.0838	\$ 5655.
ATL	1.1828	\$ 7197.
PAC	0.9451	\$ -1542.

93 3 B 8C

SUR 8364A- A/C DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 4805200. ANNUAL O&M \$ 887800.

USER COST: UNIT COST \$ 900 QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862. TO \$ 807. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.6387 ALERTING 0.3292 LOCATING 0.3095

SHORE: ES=0.968 ET=0.996 EA=0.995 EP=GEOGRAPHIC

S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.940 EP=GEOGRAPHIC

PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985 TO 27022

0. PERCENT

FISHING VESSELS: FROM 0. TO 0.

0. PERCENT

AIRCRAFT MONITOR: NO

0. PERCENT

COST: (\$000)

A C & I

PV O & E

TOTAL

GOVT:	\$ 4368.	\$ 5455	\$ 9824.
ATL	\$ 2427.	\$ 3031.	\$ 5458.
PAC	\$ 1941.	\$ 2425.	\$ 4366.
SAR		\$ 43097.	\$ 43097.
ATL		\$ 15262.	
PAC		\$ 27835.	
COMM:	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 23042.	\$ 60215.	\$ 83258.
ATL	\$ 13546.	\$ 25237.	\$ 38783.
PAC	\$ 9497.	\$ 34978.	\$ 44475.
TOTAL: WO/SAR	\$ 23042.	\$ 17118.	\$ 40161.
ATL	\$ 13546.	\$ 9975.	\$ 23521.
PAC	\$ 9497.	\$ 7143.	\$ 16640.

BENEFITS: (\$000)

FATALITIES

PROP DAMAGE

TOTAL

COMM:	\$ 16187.	\$ 20083.	\$ 36270.
ATL	\$ 10480.	\$ 13002.	\$ 23482.
PAC	\$ 5707.	\$ 7081.	\$ 12788.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 16187.	\$ 20083.	\$ 36270.
ATL	\$ 10480.	\$ 13002.	\$ 23482.
PAC	\$ 5707.	\$ 7081.	\$ 12788.

MEASURES OF EFFECTIVENESS

BENEFIT COST RATIO:

BENEFITS MINUS COST.

COMM:	1.1955	\$ 5932
ATL	1.3000	\$ 5418
PAC	1.0419	\$ 514.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.4356	\$ -46988.
ATL	0.6055	\$ -15301.
PAC	0.2875	\$ -31687.
TOTAL: WO/SAR	0.9031	\$ -3891.
ATL	0.9983	\$ -39.
PAC	0.7685	\$ -3852.

94 3 B 9A

SUR 500A- SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 8630686. ANNUAL O&M \$ 1241800.

USER COST: UNIT COST \$ 3000. QUANTITY OF 3651. LEARNING FACTOR 0.85
 PURCHASE PRICE: FROM \$ 2973. TO \$ 2736. NUMBER OF PRODUCERS 3.

SYSTEM EFFECTIVENESS: 0.8381 ALERTING 0.4296 LOCATING 0.4084

SHORE: ES=0.980 ET=0.996 EA=0.995 EP=0.000

S&R UNITS: ES=0.980 ET=0.996 EA=0.995 EL=0.940 EP=0.000

PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 27. N. M.

PASS SHIP: ES=0.980 ET=1.000 EA=0.995 EL=0.940 EP=1.000 LOCATING RANGE= 20. N. M.

SYSTEM CARRIAGE AND WATCH:

CARRIAGE

MAINTAIN WATCH

COMMERCIAL SHIPS: FROM 18985 TO 27022.

100 PERCENT

FISHING VESSELS: FROM 0 TO 0.

0 PERCENT

AIRCRAFT MONITOR: NO

0 PERCENT

COST: (\$000)

A C & I

PV O & E

TOTAL

GOVT: \$ 7846. \$ 7630. \$ 15476.

ATL \$ 4359. \$ 4239. \$ 8598.

PAC \$ 3487. \$ 3391. \$ 6878.

SAR \$ 15250. \$ 15250. \$ 15250.

ATL \$ 5957. \$ 5957. \$ 5957.

PAC \$ 9293. \$ 9293. \$ 9293.

COMM: \$ 64299. \$ 40194. \$ 104493.

ATL \$ 38285. \$ 23932. \$ 62217.

PAC \$ 26014. \$ 16262. \$ 42276.

FISH: \$ 0. \$ 0. \$ 0.

ATL \$ 0. \$ 0. \$ 0.

PAC \$ 0. \$ 0. \$ 0.

TOTAL: W/SAR \$ 72145. \$ 63074. \$ 135219.

ATL \$ 42644. \$ 34128. \$ 76772.

PAC \$ 29501. \$ 28946. \$ 58447.

TOTAL: WO/SAR \$ 72145. \$ 47824. \$ 119969.

ATL \$ 42644. \$ 28171. \$ 70815.

PAC \$ 29501. \$ 19653. \$ 49154.

BENEFITS: (\$000)

FATALITIES

PROP DAMAGE

TOTAL

COMM: \$ 22951. \$ 28476. \$ 51427.

ATL \$ 13914. \$ 17264. \$ 31179.

PAC \$ 9037. \$ 11212. \$ 20249.

FISH: \$ 0. \$ 0. \$ 0.

ATL \$ 0. \$ 0. \$ 0.

PAC \$ 0. \$ 0. \$ 0.

TOTAL: \$ 22951. \$ 28476. \$ 51427.

ATL \$ 13914. \$ 17264. \$ 31179.

PAC \$ 9037. \$ 11212. \$ 20249.

MEASURES OF EFFECTIVENESS

BENEFIT COST RATIO:

BENEFITS MINUS COST:

COMM: 0.4922 \$ -53065.

ATL 0.5011 \$ -31039.

PAC 0.4790 \$ -22027.

FISH: NOT APPLICABLE \$ 0.

ATL NOT APPLICABLE \$ 0.

PAC NOT APPLICABLE \$ 0.

TOTAL: W/SAR 0.3803 \$ -83791.

ATL 0.4061 \$ -45593.

PAC 0.3464 \$ -38198.

TOTAL: WO/SAR 0.4287 \$ -68542.

ATL 0.4403 \$ -39637.

PAC 0.4119 \$ -28905.

104

95 3 B 9B SUR 2182A- SP DF/H

ALERTING AND LOCATING

GOVT COST: AC&I \$ 7043344. ANNUAL O&M \$ 4098680.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 824. TO \$ 786. NUMBER OF PRODUCERS 6.

SYSTEM EFFECTIVENESS: 0.7698 ALERTING 0.4045 LOCATING 0.3653
SHORE: ES=0.880 ET=0.996 EA=0.995 EP=0.000
S&R UNITS: ES=0.880 ET=0.996 EA=0.995 EL=0.700 EP=0.000
PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EP=1.000 ALERTING RANGE= 37. N.M.
PASS SHIP: ES=0.880 ET=1.000 EA=0.995 EL=0.700 EP=1.000 LOCATING RANGE= 32. N.M.

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985. TO 27022. 10. PERCENT
FISHING VESSELS: FROM 10000. TO 10366. 90. PERCENT
AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 6403.	\$ 25185.	\$ 31588.
ATL	\$ 3557.	\$ 13991.	\$ 17549.
PAC	\$ 2846.	\$ 11193.	\$ 14039.
SAR		\$ 15543.	\$ 15543.
ATL		\$ 6653.	
PAC		\$ 8890.	
COMM:	\$ 17898.	\$ 11168.	\$ 29066.
ATL	\$ 10657.	\$ 6650.	\$ 17307.
PAC	\$ 7241.	\$ 4518.	\$ 11760.
FISH:	\$ 7665.	\$ 5140.	\$ 12805.
ATL	\$ 4696.	\$ 3149.	\$ 7845.
PAC	\$ 2969.	\$ 1991.	\$ 4959.
TOTAL: W/SAR	\$ 31966.	\$ 57036.	\$ 89002.
ATL	\$ 18910.	\$ 30443.	\$ 49354.
PAC	\$ 13056.	\$ 26593.	\$ 39648.
TOTAL: WO/SAR	\$ 31966.	\$ 41493.	\$ 73459.
ATL	\$ 18910.	\$ 23790.	\$ 42701.
PAC	\$ 13056.	\$ 17702.	\$ 30758.

BENEFITS: (\$000)	FATALITIES	PROP. DAMAGE	TOTAL
COMM:	\$ 20932.	\$ 25971.	\$ 46903.
ATL	\$ 13407.	\$ 16635.	\$ 30042.
PAC	\$ 7525.	\$ 9336.	\$ 16861.
FISH:	\$ 9949.	\$ 15517.	\$ 25466.
ATL	\$ 6346.	\$ 9898.	\$ 16245.
PAC	\$ 3602.	\$ 5619.	\$ 9221.
TOTAL:	\$ 30881.	\$ 41489.	\$ 72369.
ATL	\$ 19754.	\$ 26533.	\$ 46287.
PAC	\$ 11127.	\$ 14955.	\$ 26083.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.6137	\$ 17837.
ATL	1.7359	\$ 12736.
PAC	1.4338	\$ 5102.
FISH:	1.9888	\$ 12661.
ATL	2.0706	\$ 8399.
PAC	1.8594	\$ 4262.
TOTAL: W/SAR	0.8131	\$ -16632.
ATL	0.9379	\$ -3067.
PAC	0.6579	\$ -13566.
TOTAL: WO/SAR	0.9852	\$ -1089.
ATL	1.0840	\$ 3586.
PAC	0.8480	\$ -4675.

96 3 B 9C SUR 8364A- SP DF/H ALERTING AND LOCATING

GOVT COST: AC&I \$ 6035200. ANNUAL O&M \$ 1100000.

USER COST: UNIT COST \$ 900. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 862. TO \$ 807. NUMBER OF PRODUCERS 5.

SYSTEM EFFECTIVENESS: 0.6124 ALERTING 0.3292 LOCATING 0.2832
SHORE: ES=0.968 ET=0.996 EA=0.995 EP=GEOGRAPHIC
S&R UNITS: ES=0.968 ET=0.996 EA=0.995 EL=0.860 EP=GEOGRAPHIC
PASS SHIP: NOT GUARDED

SYSTEM CARRIAGE AND WATCH: CARRIAGE MAINTAIN WATCH
COMMERCIAL SHIPS: FROM 18985 TO 27022 0. PERCENT
FISHING VESSELS: FROM 0 TO 0 0. PERCENT
AIRCRAFT MONITOR: NO 0. PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 5487.	\$ 6759.	\$ 12246.
ATL	\$ 3048.	\$ 3755.	\$ 6803.
PAC	\$ 2438.	\$ 3004.	\$ 5442.
SAR		\$ 48272.	\$ 48272.
ATL		\$ 18552.	
PAC		\$ 29720.	
COMM:	\$ 18674.	\$ 11663.	\$ 30337.
ATL	\$ 11119.	\$ 6945.	\$ 18063.
PAC	\$ 7555.	\$ 4719.	\$ 12274.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL: W/SAR	\$ 24161.	\$ 66695.	\$ 90855.
ATL	\$ 14167.	\$ 29252.	\$ 43419.
PAC	\$ 9994.	\$ 37443.	\$ 47437.
TOTAL: WO/SAR	\$ 24161.	\$ 18422.	\$ 42583.
ATL	\$ 14167.	\$ 10700.	\$ 24867.
PAC	\$ 9994.	\$ 7723.	\$ 17716.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 15519.	\$ 19255.	\$ 34774.
ATL	\$ 10047.	\$ 12466.	\$ 22513.
PAC	\$ 5472.	\$ 6789.	\$ 12261.
FISH:	\$ 0.	\$ 0.	\$ 0.
ATL	\$ 0.	\$ 0.	\$ 0.
PAC	\$ 0.	\$ 0.	\$ 0.
TOTAL:	\$ 15519.	\$ 19255.	\$ 34774.
ATL	\$ 10047.	\$ 12466.	\$ 22513.
PAC	\$ 5472.	\$ 6789.	\$ 12261.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM:	1.1462	\$ 4437.
ATL	1.2464	\$ 4450.
PAC	0.9989	\$ -13.
FISH:	NOT APPLICABLE	\$ 0.
ATL	NOT APPLICABLE	\$ 0.
PAC	NOT APPLICABLE	\$ 0.
TOTAL: W/SAR	0.3827	\$ -56081.
ATL	0.5185	\$ -20905.
PAC	0.2585	\$ -35176.
TOTAL: WO/SAR	0.8166	\$ -7809.
ATL	0.9054	\$ -2353.
PAC	0.6921	\$ -5456.

97 3 B10AS

EP121/243/406A-LD05

ALERTING AND LOCATING

GOVT COST: AC&I \$ 17392000. ANNUAL O&M \$ 2174000.

USER COST: UNIT COST \$ 250. QUANTITY OF 3000. LEARNING FACTOR 0.88
PURCHASE PRICE: FROM \$ 241 TO \$ 230. NUMBER OF PRODUCERS 8.

SYSTEM EFFECTIVENESS: 0.9571 ALERTING 0.4822 LOCATING 0.4749

SHORE: ES=0.996 ET=1.000 EA=0.995 EP=0.940

S&R UNITS: ES=0.996 ET=1.000 EA=0.995 EL=0.995 EP=0.940

PASS SHIP: NOT GUARDED

A/C DVRFL: ES=0.980 ET=1.000 EA=0.995 EL=0.500 EP=1.000

SYSTEM CARRIAGE AND WATCH:	CARRIAGE	MAINTAIN WATCH
COMMERCIAL SHIPS:	FROM 18985. TO 27022.	0 PERCENT
FISHING VESSELS:	FROM 10000. TO 10366.	0 PERCENT
AIRCRAFT MONITOR:	YES	100 PERCENT

COST: (\$000)	A C & I	PV O & E	TOTAL
GOVT:	\$ 15811.	\$ 13358.	\$ 29169.
ATL	\$ 8784.	\$ 7421.	\$ 16205.
PAC	\$ 7027.	\$ 5937.	\$ 12964.
SAR		\$ 12678.	\$ 12678.
ATL		\$ 5560.	
PAC		\$ 7119.	
COMM:	\$ 5243.	\$ 3271.	\$ 8514.
ATL	\$ 3122.	\$ 1948.	\$ 5069.
PAC	\$ 2121.	\$ 1324.	\$ 3445.
FISH:	\$ 2245.	\$ 1506.	\$ 3751.
ATL	\$ 1376.	\$ 922.	\$ 2298.
PAC	\$ 870.	\$ 583.	\$ 1453.
TOTAL: W/SAR	\$ 23299.	\$ 30814.	\$ 54112.
ATL	\$ 13281.	\$ 15851.	\$ 29132.
PAC	\$ 10018.	\$ 14962.	\$ 24980.
TOTAL: WO/SAR	\$ 23299.	\$ 18135.	\$ 41434.
ATL	\$ 13281.	\$ 10292.	\$ 23572.
PAC	\$ 10018.	\$ 7844.	\$ 17861.

BENEFITS: (\$000)	FATALITIES	PROP DAMAGE	TOTAL
COMM:	\$ 22769.	\$ 28251.	\$ 51020.
ATL	\$ 13634.	\$ 16916.	\$ 30550.
PAC	\$ 9135.	\$ 11335.	\$ 20470.
FISH:	\$ 9880.	\$ 15409.	\$ 25289.
ATL	\$ 6237.	\$ 9729.	\$ 15966.
PAC	\$ 3642.	\$ 5681.	\$ 9323.
TOTAL:	\$ 32649.	\$ 43660.	\$ 76309.
ATL	\$ 19871.	\$ 26645.	\$ 46516.
PAC	\$ 12778.	\$ 17015.	\$ 29793.

MEASURES OF EFFECTIVENESS	BENEFIT COST RATIO:	BENEFITS MINUS COST:
COMM	5.9925	\$ 42506.
ATL	6.0264	\$ 25481.
PAC	5.9427	\$ 17025.
FISH:	6.7426	\$ 21538.
ATL	6.9478	\$ 13668.
PAC	6.4181	\$ 7871.
TOTAL: W/SAR	1.4102	\$ 22197.
ATL	1.5967	\$ 17384.
PAC	1.1927	\$ 4813.
TOTAL: WO/SAR	1.8417	\$ 34875.
ATL	1.9733	\$ 22943.
PAC	1.6680	\$ 11932.

107
108X

APPENDIX D - SYSTEMS RANK ORDERING

Preface to System Rank Ordering

The data shown in each of the System Serial Listings and the rank orderings include the system serial number, the SALT TI number, the total benefits, the total cost with SAR, the measure of effectiveness, and the rank order (RO) of the system in terms of the specified measure of effectiveness.

Serial Listing includes both benefit cost ratio and benefits minus cost, where these measures are computed from the value of total benefits and total cost with SAR contained in the listing.

Total Benefits - Systems are rank ordered in descending order of expected benefits. The benefit cost ratio shown is the ratio of total benefits to total cost with SAR.

Total Cost - Systems are rank ordered in ascending order of expected costs. The benefit cost ratio shown is the ratio of total benefits to total cost with SAR.

Total Benefits: Cost Ratio with SAR - Systems are rank ordered in descending order of the difference, total benefits minus total cost.

The remaining listings are rank ordered by the measure of effectiveness described, but the benefits and costs shown are total benefits and total costs with SAR. For example the listing on page D-15 headed:

RANK ORDER: BENEFIT COST RATIO COMMERCIAL TOTAL

will contain the systems rank ordered by the benefit cost ratio computed by using the ratio of total commercial benefits to total commercial costs.

INDEX TO SYSTEMS RANK ORDERING

System Serial Listing	D-1
Total Benefit With SAR	D-3
Total Cost With SAR	D-5
Total Benefit:Cost Ratio With SAR	D-7
Total Benefit Minus Cost With SAR	D-9
Total Benefit:Cost Ratio Without SAR	D-11
Total Benefit Minus Cost Without SAR	D-13
Commercial Total Benefit:Cost Ratio	D-15
Commercial Total Benefit Minus Cost	D-17
Fishing Total Benefit:Cost Ratio	D-19
Fishing Total Benefit Minus Cost	D-21
Atlantic Benefit:Cost Ratio With SAR	D-23
Atlantic Benefit Minus Cost With SAR	D-25
Pacific Benefit:Cost Ratio With SAR	D-27
Pacific Benefit Minus Cost With SAR	D-29
Atlantic Benefit:Cost Ratio Without SAR	D-31
Atlantic Benefit Minus Cost Without SAR	D-33
Pacific Benefit:Cost Ratio Without SAR	D-35
Pacific Benefit Minus Cost Without SAR	D-37
Atlantic Commercial Benefit:Cost Ratio	D-39
Atlantic Commercial Benefit Minus Cost	D-41
Pacific Commercial Benefit:Cost Ratio	D-43
Pacific Commercial Benefit Minus Cost	D-45
Atlantic Fishing Benefit:Cost Ratio	D-47
Atlantic Fishing Benefit Minus Cost	D-49
Pacific Fishing Benefit:Cost Ratio	D-51
Pacific Fishing Benefit Minus Cost	D-53

SERIAL LISTING					
SER	SALTTI	BENEFITS	C O S T	BEN: COST	BEN MINUS COST
1	1 B 1A	\$ 26298.	\$ 608288.	0. 0432	\$ -581990.
2	1 B 1B	\$ 38650.	\$ 112181.	0. 3445	\$ -73531.
3	1 B 1C	\$ 6857.	\$ 256100.	0. 0268	\$ -249243.
4	1 B 1D	\$ 23931.	\$ 156729.	0. 1527	\$ -132798.
5	1 B 2A	\$ 33882.	\$ 62814.	0. 5394	\$ -28932.
6	1 B 2B	\$ 26984.	\$ 80327.	0. 3359	\$ -53343.
7	1 B 2CS	\$ 38916.	\$ 51394.	0. 7572	\$ -12478.
8	1 B 2CD	\$ 38916.	\$ 120784.	0. 3222	\$ -81868.
9	1 B 2DS	\$ 36904.	\$ 77926.	0. 4736	\$ -41022.
10	1 B 2DD	\$ 36904.	\$ 128782.	0. 2866	\$ -91878.
11	1 B 3A	\$ 25873.	\$ 125035.	0. 2069	\$ -99162.
12	1 B 3B	\$ 37073.	\$ 79668.	0. 4653	\$ -42595.
13	1 B 3C	\$ 18696.	\$ 76797.	0. 2434	\$ -58101.
14	1 B 4A	\$ 39184.	\$ 78293.	0. 5005	\$ -39109.
15	2 B 1A	\$ 26298.	\$ 608288.	0. 0432	\$ -581990.
16	2 B 1B	\$ 38479.	\$ 112220.	0. 3429	\$ -73741.
17	2 B 1C	\$ 6788.	\$ 256103.	0. 0265	\$ -249315.
18	2 B 1D	\$ 23692.	\$ 156889.	0. 1510	\$ -133197.
19	2 B 2A	\$ 26297.	\$ 609130.	0. 0432	\$ -582833.
20	2 B 2B	\$ 23572.	\$ 148664.	0. 1586	\$ -125092.
21	2 B 3A	\$ 26296.	\$ 604854.	0. 0435	\$ -578558.
22	2 B 3B	\$ 38224.	\$ 94211.	0. 4057	\$ -55987.
23	2 B 3C	\$ 0.	\$ 127483.	0. 0000	\$ -127483.
24	2 B 3D	\$ 23333.	\$ 149322.	0. 1563	\$ -125989.
25	2 B 4A	\$ 26296.	\$ 613347.	0. 0429	\$ -587051.
26	2 B 4B	\$ 38000.	\$ 97356.	0. 3903	\$ -59356.
27	2 B 4C	\$ 0.	\$ 127343.	0. 0000	\$ -127343.
28	2 B 4D	\$ 22974.	\$ 152199.	0. 1509	\$ -129225.
29	2 B 5A	\$ 34918.	\$ 28376.	1. 2306	\$ 6542.
30	2 B 5B	\$ 30084.	\$ 49869.	0. 6033	\$ -19785.
31	2 B 5C	\$ 34918.	\$ 28539.	1. 2235	\$ 6379.
32	2 B 5D	\$ 33933.	\$ 30879.	1. 0989	\$ 3054.
33	2 B 5E	\$ 36620.	\$ 28236.	1. 2969	\$ 8384.
34	2 B 6A	\$ 22789.	\$ 73472.	0. 3102	\$ -50683.
35	2 B 6B	\$ 27395.	\$ 60298.	0. 4543	\$ -32903.
36	2 B 6C	\$ 22789.	\$ 70671.	0. 3225	\$ -47882.
37	2 B 6D	\$ 28255.	\$ 69197.	0. 4083	\$ -40942.
38	2 B 6E	\$ 23899.	\$ 62998.	0. 3794	\$ -39099.
39	2 B 7AS	\$ 33443.	\$ 55566.	0. 6019	\$ -22123.
40	2 B 7AD	\$ 33443.	\$ 123371.	0. 2711	\$ -89928.
41	2 B 7BS	\$ 36867.	\$ 109193.	0. 3376	\$ -72326.
42	2 B 7BD	\$ 36867.	\$ 157007.	0. 2348	\$ -120140.
43	2 B 7CS	\$ 36867.	\$ 79015.	0. 4666	\$ -42148.
44	2 B 7CD	\$ 36867.	\$ 146796.	0. 2511	\$ -109929.
45	2 B 8A	\$ 25566.	\$ 125766.	0. 2033	\$ -100200.
46	2 B 8B	\$ 12152.	\$ 102214.	0. 1189	\$ -90062.
47	2 B 9A	\$ 25505.	\$ 122240.	0. 2086	\$ -96735.
48	2 B 9B	\$ 36036.	\$ 58695.	0. 6139	\$ -22659.

113

SERIAL LISTING (Cont'd)

SER	SALTTI	BENEFITS	COST	BEN:COST	BEN MINUS COST
49	2 B 9C	\$ 17574.	\$ 74817.	0.2349	\$ -57243
50	2 B10A	\$ 25554.	\$ 130003.	0.1966	\$ -104449
51	2 B10B	\$ 35297.	\$ 65662.	0.5376	\$ -30365
52	2 B10C	\$ 16078.	\$ 82415.	0.1951	\$ -66337
53	3 B 1A	\$ 52597.	\$ 608288.	0.0865	\$ -555691
54	3 B 1B	\$ 77129.	\$ 112220.	0.6873	\$ -35091
55	3 B 1C	\$ 13645.	\$ 256103.	0.0533	\$ -242458
56	3 B 1D	\$ 47623.	\$ 156889.	0.3035	\$ -109266
57	3 B 2A	\$ 52595.	\$ 609130.	0.0863	\$ -556535
58	3 B 2B	\$ 47503.	\$ 157043.	0.3025	\$ -109540
59	3 B 3A	\$ 52595.	\$ 610070.	0.0862	\$ -557475
60	3 B 3B	\$ 76874.	\$ 117551.	0.6540	\$ -40677
61	3 B 3C	\$ 47264.	\$ 157762.	0.2996	\$ -110498
62	3 B 4A	\$ 52595.	\$ 618563.	0.0850	\$ -565968
63	3 B 4B	\$ 76650.	\$ 120696.	0.6351	\$ -44046
64	3 B 4C	\$ 46905.	\$ 160639.	0.2920	\$ -113734
65	3 B 5A	\$ 46747.	\$ 84740.	0.5516	\$ -37993
66	3 B 5B	\$ 60699.	\$ 86545.	0.7014	\$ -25846
67	3 B 5CS	\$ 77927.	\$ 117034.	0.6658	\$ -39107
68	3 B 5CD	\$ 77927.	\$ 164849.	0.4727	\$ -86922
69	3 B 5DS	\$ 73071.	\$ 91470.	0.7988	\$ -18399
70	3 B 5DD	\$ 73071.	\$ 139279.	0.5246	\$ -66208
71	3 B 5ES	\$ 75175.	\$ 99746.	0.7537	\$ -24571
72	3 B 5ED	\$ 75175.	\$ 147555.	0.5095	\$ -72380
73	3 B 5FS	\$ 76578.	\$ 99371.	0.7706	\$ -22793
74	3 B 5FD	\$ 76578.	\$ 147180.	0.5203	\$ -70602
75	3 B 5GS	\$ 76578.	\$ 99371.	0.7706	\$ -22793
76	3 B 5GD	\$ 76578.	\$ 147180.	0.5203	\$ -70602
77	3 B 6A	\$ 46747.	\$ 170955.	0.2734	\$ -124208
78	3 B 6B	\$ 58539.	\$ 94477.	0.6196	\$ -35938
79	3 B 6CS	\$ 77433.	\$ 119096.	0.6502	\$ -41663
80	3 B 6CD	\$ 77433.	\$ 166911.	0.4639	\$ -89478
81	3 B 6DS	\$ 67339.	\$ 131528.	0.5120	\$ -64189
82	3 B 6DD	\$ 67339.	\$ 179343.	0.3755	\$ -112004
83	3 B 6ES	\$ 69315.	\$ 105235.	0.6587	\$ -35920
84	3 B 6ED	\$ 69315.	\$ 153050.	0.4529	\$ -83735
85	3 B 6FS	\$ 70230.	\$ 100096.	0.7016	\$ -29866
86	3 B 6FD	\$ 70230.	\$ 147911.	0.4748	\$ -77681
87	3 B 6GS	\$ 70230.	\$ 100096.	0.7016	\$ -29866
88	3 B 6GD	\$ 70230.	\$ 147911.	0.4748	\$ -77681
89	3 B 7A	\$ 51439.	\$ 125766.	0.4090	\$ -74327
90	3 B 7B	\$ 30848.	\$ 110593.	0.2789	\$ -79745
91	3 B 8A	\$ 51378.	\$ 127456.	0.4031	\$ -76078
92	3 B 8B	\$ 73108.	\$ 82035.	0.8912	\$ -8927
93	3 B 8C	\$ 36270.	\$ 83258.	0.4356	\$ -46988
94	3 B 9A	\$ 51427.	\$ 135219.	0.3803	\$ -83792
95	3 B 9B	\$ 72369.	\$ 89002.	0.8131	\$ -16633
96	3 B 9C	\$ 34774.	\$ 90855.	0.3827	\$ -56081
97	3 B10AS	\$ 76309.	\$ 54112.	1.4102	\$ 22197

RANK ORDER: BENEFIT							
SER	SALTTI	BENEFITS	C O S T	TOTAL WITH SAR	BENEFIT COST	RATIO	RO
67	3 B 5CS	\$ 77927.	\$ 117034.		0. 6658		1
68	3 B 5CD	\$ 77927.	\$ 164849.		0. 4727		2
79	3 B 6CS	\$ 77433.	\$ 119096.		0. 6502		3
80	3 B 6CD	\$ 77433.	\$ 166911.		0. 4639		4
54	3 B 1B	\$ 77129.	\$ 112220.		0. 6873		5
60	3 B 3B	\$ 76874.	\$ 117551.		0. 6540		6
63	3 B 4B	\$ 76650.	\$ 120696.		0. 6351		7
73	3 B 5FS	\$ 76578.	\$ 99371.		0. 7706		8
74	3 B 5FD	\$ 76578.	\$ 147180.		0. 5203		9
75	3 B 5GS	\$ 76578.	\$ 99371.		0. 7706		10
76	3 B 5GD	\$ 76578.	\$ 147180.		0. 5203		11
97	3 B10AS	\$ 76309.	\$ 54112.		1. 4102		12
71	3 B 5ES	\$ 75175.	\$ 99746.		0. 7537		13
72	3 B 5ED	\$ 75175.	\$ 147555.		0. 5095		14
92	3 B 8B	\$ 73108.	\$ 82035.		0. 8912		15
69	3 B 5DS	\$ 73071.	\$ 91470.		0. 7988		16
70	3 B 5DD	\$ 73071.	\$ 139279.		0. 5246		17
95	3 B 9B	\$ 72369.	\$ 89002.		0. 8131		18
85	3 B 6FS	\$ 70230.	\$ 100096.		0. 7016		19
86	3 B 6FD	\$ 70230.	\$ 147911.		0. 4748		20
87	3 B 6GS	\$ 70230.	\$ 100096.		0. 7016		21
88	3 B 6GD	\$ 70230.	\$ 147911.		0. 4748		22
83	3 B 6ES	\$ 69315.	\$ 105235.		0. 6587		23
84	3 B 6ED	\$ 69315.	\$ 153050.		0. 4529		24
81	3 B 6DS	\$ 67339.	\$ 131528.		0. 5120		25
82	3 B 6DD	\$ 67339.	\$ 179343.		0. 3755		26
66	3 B 5B	\$ 60699.	\$ 86545.		0. 7014		27
78	3 B 6B	\$ 58539.	\$ 94477.		0. 6196		28
53	3 B 1A	\$ 52597.	\$ 608288.		0. 0865		29
57	3 B 2A	\$ 52595.	\$ 609130.		0. 0863		30
59	3 B 3A	\$ 52595.	\$ 610070.		0. 0862		31
62	3 B 4A	\$ 52595.	\$ 618563.		0. 0850		32
89	3 B 7A	\$ 51439.	\$ 125766.		0. 4090		33
94	3 B 9A	\$ 51427.	\$ 135219.		0. 3803		34
91	3 B 8A	\$ 51378.	\$ 127456.		0. 4031		35
56	3 B 1D	\$ 47623.	\$ 156889.		0. 3035		36
58	3 B 2B	\$ 47503.	\$ 157043.		0. 3025		37
61	3 B 3C	\$ 47264.	\$ 157762.		0. 2996		38
64	3 B 4C	\$ 46905.	\$ 160639.		0. 2920		39
65	3 B 5A	\$ 46747.	\$ 84740.		0. 5516		40
77	3 B 6A	\$ 46747.	\$ 170955.		0. 2734		41
14	1 B 4A	\$ 39184.	\$ 78293.		0. 5005		42
7	1 B 2CS	\$ 38916.	\$ 51394.		0. 7572		43
8	1 B 2CD	\$ 38916.	\$ 120784.		0. 3222		44
2	1 B 1B	\$ 38650.	\$ 112181.		0. 3445		45
16	2 B 1B	\$ 38479.	\$ 112220.		0. 3429		46
22	2 B 3B	\$ 38224.	\$ 94211.		0. 4057		47
26	2 B 4B	\$ 38000.	\$ 97356.		0. 3903		48

115

RANK ORDER: BENEFIT (Cont'd)

SER	SALTTI	BENEFITS	TOTAL COST	WITH SAR BENEFIT COST	RATIO	RO
12	1 B 3B	\$ 37073.	\$ 79668.	0.4653		49
9	1 B 2DS	\$ 36904.	\$ 77926.	0.4736		50
10	1 B 2DD	\$ 36904.	\$ 128782.	0.2866		51
41	2 B 7BS	\$ 36867.	\$ 109193.	0.3376		52
42	2 B 7BD	\$ 36867.	\$ 157007.	0.2348		53
43	2 B 7CS	\$ 36867.	\$ 79015.	0.4666		54
44	2 B 7CD	\$ 36867.	\$ 146796.	0.2511		55
33	2 B 5E	\$ 36620.	\$ 28236.	1.2969		56
93	3 B 8C	\$ 36270.	\$ 83258.	0.4356		57
48	2 B 9B	\$ 36036.	\$ 58695.	0.6139		58
51	2 B10B	\$ 35297.	\$ 65662.	0.5376		59
29	2 B 5A	\$ 34918.	\$ 28376.	1.2306		60
31	2 B 5C	\$ 34918.	\$ 28539.	1.2235		61
96	3 B 9C	\$ 34774.	\$ 90855.	0.3827		62
32	2 B 5D	\$ 33933.	\$ 30879.	1.0989		63
5	1 B 2A	\$ 33882.	\$ 62814.	0.5394		64
39	2 B 7AS	\$ 33443.	\$ 55566.	0.6019		65
40	2 B 7AD	\$ 33443.	\$ 123371.	0.2711		66
90	3 B 7B	\$ 30848.	\$ 110593.	0.2789		67
30	2 B 5B	\$ 30084.	\$ 49869.	0.6033		68
37	2 B 6D	\$ 28255.	\$ 69197.	0.4083		69
35	2 B 6B	\$ 27395.	\$ 60298.	0.4543		70
6	1 B 2B	\$ 26984.	\$ 80327.	0.3359		71
1	1 B 1A	\$ 26298.	\$ 608288.	0.0432		72
15	2 B 1A	\$ 26298.	\$ 608288.	0.0432		73
19	2 B 2A	\$ 26297.	\$ 609130.	0.0432		74
21	2 B 3A	\$ 26296.	\$ 604854.	0.0435		75
25	2 B 4A	\$ 26296.	\$ 613347.	0.0429		76
11	1 B 3A	\$ 25873.	\$ 125035.	0.2069		77
45	2 B 8A	\$ 25566.	\$ 125766.	0.2033		78
50	2 B10A	\$ 25554.	\$ 130003.	0.1966		79
47	2 B 9A	\$ 25505.	\$ 122240.	0.2086		80
4	1 B 1D	\$ 23931.	\$ 156729.	0.1527		81
38	2 B 6E	\$ 23899.	\$ 62998.	0.3794		82
18	2 B 1D	\$ 23692.	\$ 156889.	0.1510		83
20	2 B 2B	\$ 23572.	\$ 148664.	0.1586		84
24	2 B 3D	\$ 23333.	\$ 149322.	0.1563		85
28	2 B 4D	\$ 22974.	\$ 152199.	0.1509		86
34	2 B 6A	\$ 22789.	\$ 73472.	0.3102		87
36	2 B 6C	\$ 22789.	\$ 70671.	0.3225		88
13	1 B 3C	\$ 18696.	\$ 76797.	0.2434		89
49	2 B 9C	\$ 17574.	\$ 74817.	0.2349		90
52	2 B10C	\$ 16078.	\$ 82415.	0.1951		91
55	3 B 1C	\$ 13645.	\$ 256103.	0.0533		92
46	2 B 8B	\$ 12152.	\$ 102214.	0.1189		93
3	1 B 1C	\$ 6857.	\$ 256100.	0.0268		94
17	2 B 1C	\$ 6788.	\$ 256103.	0.0265		95
23	2 B 3C	\$ 0.	\$ 127483.	0.0000		96
27	2 B 4C	\$ 0.	\$ 127343.	0.0000		97

		RANK ORDER: COST		WITH SAR			
SER	SALTTI	BENEFITS	C O S T	BENEFIT	COST	RATIO	RO
33	2 B 5E	\$ 36620.	\$ 28236.		1.2969		1
29	2 B 5A	\$ 34918.	\$ 28376.		1.2306		2
31	2 B 5C	\$ 34918.	\$ 28539.		1.2235		3
32	2 B 5D	\$ 33933.	\$ 30879.		1.0989		4
30	2 B 5B	\$ 30084.	\$ 49869.		0.6033		5
7	1 B 2CS	\$ 38916.	\$ 51394.		0.7572		6
97	3 B10AS	\$ 76309.	\$ 54112.		1.4102		7
39	2 B 7AS	\$ 33443.	\$ 55566.		0.6019		8
48	2 B 9B	\$ 36036.	\$ 58695.		0.6139		9
35	2 B 6B	\$ 27395.	\$ 60298.		0.4543		10
5	1 B 2A	\$ 33882.	\$ 62814.		0.5394		11
38	2 B 6E	\$ 23899.	\$ 62998.		0.3794		12
51	2 B10B	\$ 35297.	\$ 65662.		0.5376		13
37	2 B 6D	\$ 28255.	\$ 69197.		0.4083		14
36	2 B 6C	\$ 22789.	\$ 70671.		0.3225		15
34	2 B 6A	\$ 22789.	\$ 73472.		0.3102		16
49	2 B 9C	\$ 17574.	\$ 74817.		0.2349		17
13	1 B 3C	\$ 18696.	\$ 76797.		0.2434		18
9	1 B 2DS	\$ 36904.	\$ 77926.		0.4736		19
14	1 B 4A	\$ 39184.	\$ 78293.		0.5005		20
43	2 B 7CS	\$ 36867.	\$ 79015.		0.4666		21
12	1 B 3B	\$ 37073.	\$ 79668.		0.4653		22
6	1 B 2B	\$ 26984.	\$ 80327.		0.3359		23
92	3 B 8B	\$ 73108.	\$ 82035.		0.8912		24
52	2 B10C	\$ 16078.	\$ 82415.		0.1951		25
93	3 B 8C	\$ 36270.	\$ 83258.		0.4356		26
65	3 B 5A	\$ 46747.	\$ 84740.		0.5516		27
66	3 B 5B	\$ 60699.	\$ 86545.		0.7014		28
95	3 B 9B	\$ 72369.	\$ 89002.		0.8131		29
96	3 B 9C	\$ 34774.	\$ 90855.		0.3827		30
69	3 B 5DS	\$ 73071.	\$ 91470.		0.7988		31
22	2 B 3B	\$ 38224.	\$ 94211.		0.4057		32
78	3 B 6B	\$ 58539.	\$ 94477.		0.6196		33
26	2 B 4B	\$ 38000.	\$ 97356.		0.3903		34
73	3 B 5FS	\$ 76578.	\$ 99371.		0.7706		35
75	3 B 5GS	\$ 76578.	\$ 99371.		0.7706		36
71	3 B 5ES	\$ 75175.	\$ 99746.		0.7537		37
85	3 B 6FS	\$ 70230.	\$ 100096.		0.7016		38
87	3 B 6GS	\$ 70230.	\$ 100096.		0.7016		39
46	2 B 8B	\$ 12152.	\$ 102214.		0.1189		40
83	3 B 6ES	\$ 69315.	\$ 105235.		0.6587		41
41	2 B 7BS	\$ 36867.	\$ 109193.		0.3376		42
90	3 B 7B	\$ 30848.	\$ 110593.		0.2789		43
2	1 B 1B	\$ 38650.	\$ 112181.		0.3445		44
54	3 B 1B	\$ 77129.	\$ 112220.		0.6873		45
16	2 B 1B	\$ 38479.	\$ 112220.		0.3429		46
67	3 B 5CS	\$ 77927.	\$ 117034.		0.6658		47
60	3 B 3B	\$ 76874.	\$ 117551.		0.6540		48
79	3 B 6CS	\$ 77433.	\$ 119096.		0.6502		49

RANK ORDER: COST (Cont'd)

SER	SALTTI	BENEFITS	TOTAL COST	WITH SAR BENEFIT COST	RATIO	RO
63	3 B 4B	\$ 76650.	\$ 120696.	0. 6351		50
8	1 B 2CD	\$ 38916.	\$ 120784.	0. 3222		51
47	2 B 9A	\$ 25505.	\$ 122240.	0. 2086		52
40	2 B 7AD	\$ 33443.	\$ 123371.	0. 2711		53
11	1 B 3A	\$ 25873.	\$ 125035.	0. 2069		54
89	3 B 7A	\$ 51439.	\$ 125766.	0. 4090		55
45	2 B 8A	\$ 25566.	\$ 125766.	0. 2033		56
27	2 B 4C	\$ 0.	\$ 127343.	0. 0000		57
91	3 B 8A	\$ 51378.	\$ 127456.	0. 4031		58
23	2 B 3C	\$ 0.	\$ 127483.	0. 0000		59
10	1 B 2DD	\$ 36904.	\$ 128782.	0. 2866		60
50	2 B 10A	\$ 25554.	\$ 130003.	0. 1966		61
81	3 B 6DS	\$ 67339.	\$ 131528.	0. 5120		62
94	3 B 9A	\$ 51427.	\$ 135219.	0. 3803		63
70	3 B 5DD	\$ 73071.	\$ 139279.	0. 5246		64
44	2 B 7CD	\$ 36867.	\$ 146796.	0. 2511		65
74	3 B 5FD	\$ 76578.	\$ 147180.	0. 5203		66
76	3 B 5GD	\$ 76578.	\$ 147180.	0. 5203		67
72	3 B 5ED	\$ 75175.	\$ 147555.	0. 5095		68
86	3 B 6FD	\$ 70230.	\$ 147911.	0. 4748		69
88	3 B 6GD	\$ 70230.	\$ 147911.	0. 4748		70
20	2 B 2B	\$ 23572.	\$ 148664.	0. 1586		71
24	2 B 3D	\$ 23333.	\$ 149322.	0. 1563		72
28	2 B 4D	\$ 22974.	\$ 152199.	0. 1509		73
84	3 B 6ED	\$ 69315.	\$ 153050.	0. 4529		74
4	1 B 1D	\$ 23931.	\$ 156729.	0. 1527		75
56	3 B 1D	\$ 47623.	\$ 156889.	0. 3035		76
18	2 B 1D	\$ 23692.	\$ 156889.	0. 1510		77
42	2 B 7BD	\$ 36867.	\$ 157007.	0. 2348		78
58	3 B 2B	\$ 47503.	\$ 157043.	0. 3025		79
61	3 B 3C	\$ 47264.	\$ 157762.	0. 2996		80
64	3 B 4C	\$ 46905.	\$ 160639.	0. 2920		81
68	3 B 5CD	\$ 77927.	\$ 164849.	0. 4727		82
80	3 B 6CD	\$ 77433.	\$ 166911.	0. 4639		83
77	3 B 6A	\$ 46747.	\$ 170955.	0. 2734		84
82	3 B 6DD	\$ 67339.	\$ 179343.	0. 3755		85
3	1 B 1C	\$ 6857.	\$ 256100.	0. 0268		86
55	3 B 1C	\$ 13645.	\$ 256103.	0. 0533		87
17	2 B 1C	\$ 6788.	\$ 256103.	0. 0265		88
21	2 B 3A	\$ 26296.	\$ 604854.	0. 0435		89
53	3 B 1A	\$ 52597.	\$ 608288.	0. 0865		90
1	1 B 1A	\$ 26298.	\$ 608288.	0. 0432		91
15	2 B 1A	\$ 26298.	\$ 608288.	0. 0432		92
57	3 B 2A	\$ 52595.	\$ 609130.	0. 0863		93
19	2 B 2A	\$ 26297.	\$ 609130.	0. 0432		94
59	3 B 3A	\$ 52595.	\$ 610070.	0. 0862		95
25	2 B 4A	\$ 26296.	\$ 613347.	0. 0429		96
62	3 B 4A	\$ 52595.	\$ 618563.	0. 0850		97

RANK ORDER: BENEFIT COST RATIO						
SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
				WITH SAR		
97	3 B10AS	\$ 76309.	\$ 54112.		1.4102	1
33	2 B 5E	\$ 36620.	\$ 28236.		1.2969	2
29	2 B 5A	\$ 34918.	\$ 28376.		1.2306	3
31	2 B 5C	\$ 34918.	\$ 28539.		1.2235	4
32	2 B 5D	\$ 33933.	\$ 30879.		1.0989	5
92	3 B 8B	\$ 73108.	\$ 82035.		0.8912	6
95	3 B 9B	\$ 72369.	\$ 89002.		0.8131	7
69	3 B 5DS	\$ 73071.	\$ 91470.		0.7988	8
73	3 B 5FS	\$ 76578.	\$ 99371.		0.7706	9
75	3 B 5GS	\$ 76578.	\$ 99371.		0.7706	10
7	1 B 2CS	\$ 38916.	\$ 51394.		0.7572	11
71	3 B 5ES	\$ 75175.	\$ 99746.		0.7537	12
85	3 B 6FS	\$ 70230.	\$ 100096.		0.7016	13
87	3 B 6GS	\$ 70230.	\$ 100096.		0.7016	14
66	3 B 5B	\$ 60699.	\$ 86545.		0.7014	15
54	3 B 1B	\$ 77129.	\$ 112220.		0.6873	16
67	3 B 5CS	\$ 77927.	\$ 117034.		0.6658	17
83	3 B 6ES	\$ 69315.	\$ 105235.		0.6587	18
60	3 B 3B	\$ 76874.	\$ 117551.		0.6540	19
79	3 B 6CS	\$ 77433.	\$ 119096.		0.6502	20
63	3 B 4B	\$ 76650.	\$ 120696.		0.6351	21
78	3 B 6B	\$ 58539.	\$ 94477.		0.6196	22
48	2 B 9B	\$ 36036.	\$ 58695.		0.6139	23
30	2 B 5B	\$ 30084.	\$ 49869.		0.6033	24
39	2 B 7AS	\$ 33443.	\$ 55566.		0.6019	25
65	3 B 5A	\$ 46747.	\$ 84740.		0.5516	26
5	1 B 2A	\$ 33882.	\$ 62814.		0.5394	27
51	2 B10B	\$ 35297.	\$ 65662.		0.5376	28
70	3 B 5DD	\$ 73071.	\$ 139279.		0.5246	29
74	3 B 5FD	\$ 76578.	\$ 147180.		0.5203	30
76	3 B 5GD	\$ 76578.	\$ 147180.		0.5203	31
81	3 B 6DS	\$ 67339.	\$ 131528.		0.5120	32
72	3 B 5ED	\$ 75175.	\$ 147555.		0.5095	33
14	1 B 4A	\$ 39184.	\$ 78293.		0.5005	34
86	3 B 6FD	\$ 70230.	\$ 147911.		0.4748	35
88	3 B 6GD	\$ 70230.	\$ 147911.		0.4748	36
9	1 B 2DS	\$ 36904.	\$ 77926.		0.4736	37
68	3 B 5CD	\$ 77927.	\$ 164849.		0.4727	38
43	2 B 7CS	\$ 36867.	\$ 79015.		0.4666	39
12	1 B 3B	\$ 37073.	\$ 79668.		0.4653	40
80	3 B 6CD	\$ 77433.	\$ 166911.		0.4639	41
35	2 B 6B	\$ 27395.	\$ 60298.		0.4543	42
84	3 B 6ED	\$ 69315.	\$ 153050.		0.4529	43
93	3 B 8C	\$ 36270.	\$ 83258.		0.4356	44
89	3 B 7A	\$ 51439.	\$ 125766.		0.4090	45
37	2 B 6D	\$ 28255.	\$ 69197.		0.4083	46
22	2 B 3B	\$ 38224.	\$ 94211.		0.4057	47
91	3 B 8A	\$ 51378.	\$ 127456.		0.4031	48
26	2 B 4B	\$ 38000.	\$ 97356.		0.3903	49

RANK ORDER: BENEFIT COST RATIO (Cont'd)

SER	SALTTI	BENEFITS	COST	TOTAL WITH SAR BENEFIT COST	RATIO	RO
96	3 B 9C	\$ 34774.	\$ 90855		0.3827	50
94	3 B 9A	\$ 51427.	\$ 135219.		0.3803	51
38	2 B 6E	\$ 23899.	\$ 62998.		0.3794	52
82	3 B 6DD	\$ 67339.	\$ 179343.		0.3755	53
2	1 B 1B	\$ 38650.	\$ 112181.		0.3445	54
16	2 B 1B	\$ 38479.	\$ 112220.		0.3429	55
41	2 B 7BS	\$ 36867.	\$ 109193.		0.3376	56
6	1 B 2B	\$ 26984.	\$ 80327.		0.3359	57
36	2 B 6C	\$ 22789.	\$ 70671.		0.3225	58
8	1 B 2CD	\$ 38916.	\$ 120784.		0.3222	59
34	2 B 6A	\$ 22789.	\$ 73472.		0.3102	60
56	3 B 1D	\$ 47623.	\$ 156889.		0.3035	61
58	3 B 2B	\$ 47503.	\$ 157043.		0.3025	62
61	3 B 3C	\$ 47264.	\$ 157762.		0.2996	63
64	3 B 4C	\$ 46905.	\$ 160639.		0.2920	64
10	1 B 2DD	\$ 36904.	\$ 128782.		0.2866	65
90	3 B 7B	\$ 30848.	\$ 110593.		0.2789	66
77	3 B 6A	\$ 46747.	\$ 170955.		0.2734	67
40	2 B 7AD	\$ 33443.	\$ 123371.		0.2711	68
44	2 B 7CD	\$ 36867.	\$ 146796.		0.2511	69
13	1 B 3C	\$ 18696.	\$ 76797.		0.2434	70
49	2 B 9C	\$ 17574.	\$ 74817.		0.2349	71
42	2 B 7BD	\$ 36867.	\$ 157007.		0.2348	72
47	2 B 9A	\$ 25505.	\$ 122240.		0.2086	73
11	1 B 3A	\$ 25873.	\$ 125035.		0.2069	74
45	2 B 8A	\$ 25566.	\$ 125766.		0.2033	75
50	2 B10A	\$ 25554.	\$ 130003.		0.1966	76
52	2 B10C	\$ 16078.	\$ 82415.		0.1951	77
20	2 B 2B	\$ 23572.	\$ 148664.		0.1586	78
24	2 B 3D	\$ 23333.	\$ 149322.		0.1563	79
4	1 B 1D	\$ 23931.	\$ 156729.		0.1527	80
18	2 B 1D	\$ 23692.	\$ 156889.		0.1510	81
28	2 B 4D	\$ 22974.	\$ 152199.		0.1509	82
46	2 B 8B	\$ 12152.	\$ 102214.		0.1189	83
53	3 B 1A	\$ 52597.	\$ 608288.		0.0865	84
57	3 B 2A	\$ 52595.	\$ 609130.		0.0863	85
59	3 B 3A	\$ 52595.	\$ 610070.		0.0862	86
62	3 B 4A	\$ 52595.	\$ 618563.		0.0850	87
55	3 B 1C	\$ 13645.	\$ 256103.		0.0533	88
21	2 B 3A	\$ 26296.	\$ 604854.		0.0435	89
1	1 B 1A	\$ 26298.	\$ 608288.		0.0432	90
15	2 B 1A	\$ 26298.	\$ 608288.		0.0432	91
19	2 B 2A	\$ 26297.	\$ 609130.		0.0432	92
25	2 B 4A	\$ 26296.	\$ 613347.		0.0429	93
3	1 B 1C	\$ 6857.	\$ 256100.		0.0268	94
17	2 B 1C	\$ 6788.	\$ 256103.		0.0265	95
27	2 B 4C	\$ 0.	\$ 127343.		0.0000	96
23	2 B 3C	\$ 0.	\$ 127483.		0.0000	97

120

RANK ORDER: BENEFIT MINUS COST							
SER	SALTYI	BENEFITS	C O S T	TOTAL	BENEFIT MINUS COST	RO	
97	3 B10AS	\$ 76309.	\$ 54112.		\$ 22197.	1	
33	2 B 5E	\$ 36620.	\$ 28236.		\$ 8384.	2	
29	2 B 5A	\$ 34918.	\$ 28376.		\$ 6542.	3	
31	2 B 5C	\$ 34918.	\$ 28539.		\$ 6379.	4	
32	2 B 5D	\$ 33933.	\$ 30879.		\$ 3054.	5	
92	3 B 8B	\$ 73108.	\$ 82035.		\$ -8927.	6	
7	1 B 2CS	\$ 38916.	\$ 51394.		\$ -12478.	7	
95	3 B 9B	\$ 72369.	\$ 89002.		\$ -16633.	8	
69	3 B 5DS	\$ 73071.	\$ 91470.		\$ -18399.	9	
30	2 B 5B	\$ 30084.	\$ 49869.		\$ -19785.	10	
39	2 B 7AS	\$ 33443.	\$ 55566.		\$ -22123.	11	
48	2 B 9B	\$ 36036.	\$ 58695.		\$ -22659.	12	
73	3 B 5FS	\$ 76578.	\$ 99371.		\$ -22793.	13	
75	3 B 5GS	\$ 76578.	\$ 99371.		\$ -22793.	14	
71	3 B 5ES	\$ 75175.	\$ 99746.		\$ -24571.	15	
66	3 B 5B	\$ 60699.	\$ 86545.		\$ -25846.	16	
5	1 B 2A	\$ 33882.	\$ 62814.		\$ -28932.	17	
85	3 B 6FS	\$ 70230.	\$ 100096.		\$ -29866.	18	
87	3 B 6GS	\$ 70230.	\$ 100096.		\$ -29866.	19	
51	2 B10B	\$ 35297.	\$ 65662.		\$ -30365.	20	
35	2 B 6B	\$ 27395.	\$ 60298.		\$ -32903.	21	
54	3 B 1B	\$ 77129.	\$ 112220.		\$ -35091.	22	
83	3 B 6ES	\$ 69315.	\$ 105235.		\$ -35920.	23	
78	3 B 6B	\$ 58539.	\$ 94477.		\$ -35938.	24	
65	3 B 5A	\$ 46747.	\$ 84740.		\$ -37993.	25	
38	2 B 6E	\$ 23899.	\$ 62998.		\$ -39099.	26	
67	3 B 5CS	\$ 77927.	\$ 117034.		\$ -39107.	27	
14	1 B 4A	\$ 39184.	\$ 78293.		\$ -39109.	28	
60	3 B 3B	\$ 76874.	\$ 117551.		\$ -40677.	29	
37	2 B 6D	\$ 28255.	\$ 69197.		\$ -40942.	30	
9	1 B 2DS	\$ 36904.	\$ 77926.		\$ -41022.	31	
79	3 B 6CS	\$ 77433.	\$ 119096.		\$ -41663.	32	
43	2 B 7CS	\$ 36867.	\$ 79015.		\$ -42148.	33	
12	1 B 3B	\$ 37073.	\$ 79668.		\$ -42595.	34	
63	3 B 4B	\$ 76650.	\$ 120696.		\$ -44046.	35	
93	3 B 8C	\$ 36270.	\$ 83258.		\$ -46988.	36	
36	2 B 6C	\$ 22789.	\$ 70671.		\$ -47882.	37	
34	2 B 6A	\$ 22789.	\$ 73472.		\$ -50683.	38	
6	1 B 2B	\$ 26984.	\$ 80327.		\$ -53343.	39	
22	2 B 3B	\$ 38224.	\$ 94211.		\$ -55987.	40	
96	3 B 9C	\$ 34774.	\$ 90855.		\$ -56081.	41	
49	2 B 9C	\$ 17574.	\$ 74817.		\$ -57243.	42	
13	1 B 3C	\$ 18696.	\$ 76797.		\$ -58101.	43	
26	2 B 4B	\$ 38000.	\$ 97356.		\$ -59356.	44	
81	3 B 6DS	\$ 67339.	\$ 131528.		\$ -64189.	45	
70	3 B 5DD	\$ 73071.	\$ 139279.		\$ -66208.	46	
52	2 B10C	\$ 16078.	\$ 82415.		\$ -66337.	47	
74	3 B 5FD	\$ 76578.	\$ 147180.		\$ -70602.	48	

RANK ORDER: BENEFIT MINUS COST (Cont'd)

SER	SALTTI	BENEFITS	TOTAL WITH SAR		RO
			COST	BENEFIT MINUS COST	
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ -70602.	49
41	2 B 7BS	\$ 36867.	\$ 109193.	\$ -72326.	50
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ -72380.	51
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -73531.	52
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -73741.	53
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -74327.	54
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -76078.	55
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ -77681.	56
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ -77681.	57
90	3 B 7B	\$ 30848.	\$ 110593.	\$ -79745.	58
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ -81868.	59
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ -83735.	60
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -83792.	61
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ -86922.	62
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ -89478.	63
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ -89928.	64
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -90062.	65
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ -91878.	66
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -96735.	67
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -99162.	68
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -100200.	69
50	2 B 10A	\$ 25554.	\$ 130003.	\$ -104449.	70
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -109266.	71
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -109540.	72
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ -109929.	73
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -110498.	74
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ -112004.	75
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -113734.	76
42	2 B 7BD	\$ 36867.	\$ 157007.	\$ -120140.	77
77	3 B 6A	\$ 46747.	\$ 170955.	\$ -124208.	78
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -125092.	79
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -125989.	80
27	2 B 4C	\$ 0.	\$ 127343.	\$ -127343.	81
23	2 B 3C	\$ 0.	\$ 127483.	\$ -127483.	82
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -129225.	83
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -132798.	84
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -133197.	85
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -242458.	86
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -249243.	87
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -249315.	88
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -555691.	89
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -556535.	90
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -557475.	91
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -565968.	92
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -578558.	93
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -581990.	94
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -581990.	95
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -582833.	96
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -587051.	97

RANK ORDER: BENEFIT COST RATIO						
		TOTAL		WITHOUT SAR		
SER	SAL ITI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
33	2 B 5E	\$ 36620.	\$ 28236.		2. 8067	1
29	2 B 5A	\$ 34918.	\$ 28376.		2. 7103	2
31	2 B 5C	\$ 34918.	\$ 28539.		2. 6763	3
38	2 B 6E	\$ 23899.	\$ 62998.		2. 4037	4
36	2 B 6C	\$ 22789.	\$ 70671.		2. 2920	5
37	2 B 6D	\$ 28255.	\$ 69197.		2. 2885	6
32	2 B 5D	\$ 33933.	\$ 30879.		2. 1961	7
97	3 B10AS	\$ 76309.	\$ 54112.		1. 8417	8
34	2 B 6A	\$ 22789.	\$ 73472.		1. 7883	9
30	2 B 5B	\$ 30084.	\$ 49869.		1. 6126	10
66	3 B 5B	\$ 60699.	\$ 86545.		1. 4454	11
78	3 B 6B	\$ 58539.	\$ 94477.		1. 3266	12
35	2 B 6B	\$ 27395.	\$ 60298.		1. 3178	13
77	3 B 6A	\$ 46747.	\$ 170955.		1. 2961	14
65	3 B 5A	\$ 46747.	\$ 84740.		1. 1934	15
92	3 B 8B	\$ 73108.	\$ 82035.		1. 0838	16
7	1 B 2CS	\$ 38916.	\$ 51394.		1. 0417	17
95	3 B 9B	\$ 72369.	\$ 89002.		0. 9852	18
69	3 B 5DS	\$ 73071.	\$ 91470.		0. 9595	19
81	3 B 6DS	\$ 67339.	\$ 131528.		0. 9219	20
93	3 B 8C	\$ 36270.	\$ 83258.		0. 9031	21
73	3 B 5FS	\$ 76578.	\$ 99371.		0. 8993	22
75	3 B 5GS	\$ 76578.	\$ 99371.		0. 8993	23
71	3 B 5ES	\$ 75175.	\$ 99746.		0. 8845	24
85	3 B 6FS	\$ 70230.	\$ 100096.		0. 8560	25
87	3 B 6GS	\$ 70230.	\$ 100096.		0. 8560	26
5	1 B 2A	\$ 33882.	\$ 62814.		0. 8364	27
83	3 B 6ES	\$ 69315.	\$ 105235.		0. 8170	28
48	2 B 9B	\$ 36036.	\$ 58695.		0. 8169	29
96	3 B 9C	\$ 34774.	\$ 90855.		0. 8166	30
90	3 B 7B	\$ 30848.	\$ 110593.		0. 7955	31
39	2 B 7AS	\$ 33443.	\$ 55566.		0. 7874	32
54	3 B 1B	\$ 77129.	\$ 112220.		0. 7791	33
6	1 B 2B	\$ 26984.	\$ 80327.		0. 7763	34
67	3 B 5CS	\$ 77927.	\$ 117034.		0. 7523	35
60	3 B 3B	\$ 76874.	\$ 117551.		0. 7370	36
79	3 B 6CS	\$ 77433.	\$ 119096.		0. 7324	37
63	3 B 4B	\$ 76650.	\$ 120696.		0. 7148	38
51	2 B10B	\$ 35297.	\$ 65662.		0. 7043	39
14	1 B 4A	\$ 39184.	\$ 78293.		0. 6069	40
70	3 B 5DD	\$ 73071.	\$ 139279.		0. 5895	41
74	3 B 5FD	\$ 76578.	\$ 147180.		0. 5759	42
76	3 B 5GD	\$ 76578.	\$ 147180.		0. 5759	43
12	1 B 3B	\$ 37073.	\$ 79668.		0. 5685	44
72	3 B 5ED	\$ 75175.	\$ 147555.		0. 5661	45
9	1 B 2DS	\$ 36904.	\$ 77926.		0. 5656	46
82	3 B 6DD	\$ 67339.	\$ 179343.		0. 5572	47
43	2 B 7CS	\$ 36867.	\$ 79015.		0. 5558	48

RANK ORDER: BENEFIT COST RATIO (Cont'd)

SER	SALTTI	BENEFITS	COST	TOTAL BENEFIT COST	RATIO	RO
49	2 B 9C	\$ 17574.	\$ 74817.		0.5540	49
86	3 B 6FD	\$ 70230.	\$ 147911.		0.5408	50
88	3 B 6GD	\$ 70230.	\$ 147911.		0.5408	51
84	3 B 6ED	\$ 69315.	\$ 153050.		0.5225	52
68	3 B 5CD	\$ 77927.	\$ 164849.		0.5147	53
80	3 B 6CD	\$ 77433.	\$ 166911.		0.5043	54
13	1 B 3C	\$ 18696.	\$ 76797.		0.4821	55
22	2 B 3B	\$ 38224.	\$ 94211.		0.4721	56
52	2 B10C	\$ 16078.	\$ 82415.		0.4709	57
89	3 B 7A	\$ 51439.	\$ 125766.		0.4654	58
91	3 B 8A	\$ 51378.	\$ 127456.		0.4589	59
26	2 B 4B	\$ 38000.	\$ 97356.		0.4529	60
94	3 B 9A	\$ 51427.	\$ 135219.		0.4287	61
46	2 B 8B	\$ 12152.	\$ 102214.		0.3998	62
2	1 B 1B	\$ 38650.	\$ 112181.		0.3904	63
16	2 B 1B	\$ 38479.	\$ 112220.		0.3887	64
41	2 B 7BS	\$ 36867.	\$ 109193.		0.3820	65
8	1 B 2CD	\$ 38916.	\$ 120784.		0.3646	66
56	3 B 1D	\$ 47623.	\$ 156889.		0.3363	67
58	3 B 2B	\$ 47503.	\$ 157043.		0.3355	68
61	3 B 3C	\$ 47264.	\$ 157762.		0.3311	69
64	3 B 4C	\$ 46905.	\$ 160639.		0.3226	70
10	1 B 2DD	\$ 36904.	\$ 128782.		0.3179	71
40	2 B 7AD	\$ 33443.	\$ 123371.		0.3033	72
44	2 B 7CD	\$ 36867.	\$ 146796.		0.2749	73
42	2 B 7BD	\$ 36867.	\$ 157007.		0.2554	74
47	2 B 9A	\$ 25505.	\$ 122240.		0.2390	75
11	1 B 3A	\$ 25873.	\$ 125035.		0.2358	76
45	2 B 8A	\$ 25566.	\$ 125766.		0.2313	77
50	2 B10A	\$ 25554.	\$ 130003.		0.2227	78
20	2 B 2B	\$ 23572.	\$ 148664.		0.1769	79
24	2 B 3D	\$ 23333.	\$ 149322.		0.1737	80
4	1 B 1D	\$ 23931.	\$ 156729.		0.1690	81
28	2 B 4D	\$ 22974.	\$ 152199.		0.1677	82
18	2 B 1D	\$ 23692.	\$ 156889.		0.1673	83
53	3 B 1A	\$ 52597.	\$ 608288.		0.0884	84
57	3 B 2A	\$ 52595.	\$ 609130.		0.0882	85
59	3 B 3A	\$ 52595.	\$ 610070.		0.0881	86
62	3 B 4A	\$ 52595.	\$ 618563.		0.0869	87
55	3 B 1C	\$ 13645.	\$ 256103.		0.0561	88
21	2 B 3A	\$ 26296.	\$ 604854.		0.0444	89
1	1 B 1A	\$ 26298.	\$ 608288.		0.0442	90
15	2 B 1A	\$ 26298.	\$ 608288.		0.0442	91
19	2 B 2A	\$ 26297.	\$ 609130.		0.0441	92
25	2 B 4A	\$ 26296.	\$ 613347.		0.0438	93
3	1 B 1C	\$ 6857.	\$ 256100.		0.0282	94
17	2 B 1C	\$ 6788.	\$ 256103.		0.0279	95
23	2 B 3C	\$ 0.	\$ 127483.		0.0000	96
27	2 B 4C	\$ 0.	\$ 127343.		0.0000	97

124

RANK ORDER: BENEFIT MINUS COST						
TOTAL WITHOUT SAR						
SER	SALTII	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B10AS	\$ 76309.	\$ 54112	\$ 34875.		1
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 23573.		2
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 22035.		3
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 21871.		4
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 18704.		5
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 18482.		6
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 15908.		7
78	3 B 6B	\$ 58539.	\$ 94477.	\$ 14411.		8
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 13957.		9
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 12846.		10
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 11429.		11
77	3 B 6A	\$ 46747.	\$ 170955.	\$ 10680.		12
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 10045.		13
65	3 B 5A	\$ 46747.	\$ 84740.	\$ 7575.		14
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 6607.		15
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 5655.		16
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ 1556.		17
95	3 B 9B	\$ 72369.	\$ 89002.	\$ -1089.		18
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ -3083.		19
93	3 B 8C	\$ 36270.	\$ 83258.	\$ -3891.		20
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ -5706.		21
5	1 B 2A	\$ 33882.	\$ 62814.	\$ -6628.		22
6	1 B 2B	\$ 26984.	\$ 80327.	\$ -7774.		23
96	3 B 9C	\$ 34774.	\$ 90855.	\$ -7809.		24
90	3 B 7B	\$ 30848.	\$ 110593.	\$ -7930.		25
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -8077.		26
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ -8573.		27
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ -8573.		28
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ -9030.		29
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ -9812.		30
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ -11812.		31
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ -11812.		32
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -14147.		33
51	2 B10B	\$ 35297.	\$ 65662.	\$ -14822.		34
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ -15531.		35
52	2 B10C	\$ 16078.	\$ 82415.	\$ -18064.		36
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -18247.		37
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -20082.		38
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -21864.		39
27	2 B 4C	\$ 0.	\$ 127343.	\$ -24284.		40
23	2 B 3C	\$ 0.	\$ 127483.	\$ -24424.		41
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -25379.		42
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ -25661.		43
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -27429.		44
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -28138.		45
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ -28288.		46
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ -28339.		47
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ -29464.		48

RANK ORDER: BENEFIT MINUS COST (Cont'd)

SER	SALTTI	BENEFITS	COST	TOTAL WITHOUT SAR BENEFIT MINUS COST	RO
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -30590.	49
22	2 B 3B	\$ 38224.	\$ 94211.	\$ -42739.	50
26	2 B 4B	\$ 38000.	\$ 97356.	\$ -45900.	51
70	3 B 5DD	\$ 73071.	\$ 139279.	\$ -50892.	52
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ -53521.	53
74	3 B 5FD	\$ 76578.	\$ 147180.	\$ -56382.	54
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ -56382.	55
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ -57621.	56
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -59097.	57
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ -59627.	58
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ -59627.	59
41	2 B 7BS	\$ 36867.	\$ 109193.	\$ -59642.	60
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -60342.	61
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -60513.	62
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -60573.	63
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ -63346.	64
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ -67834.	65
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -68542.	66
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ -73476.	67
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ -76103.	68
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ -76835.	69
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ -79195.	70
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -81230.	71
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -83836.	72
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -84970.	73
50	2 B 10A	\$ 25554.	\$ 130003.	\$ -89199.	74
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -93975.	75
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -94094.	76
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -95483.	77
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ -97245.	78
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -98498.	79
42	2 B 7BD	\$ 36867.	\$ 157007.	\$ -107456.	80
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -109646.	81
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -110974.	82
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -113989.	83
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -117666.	84
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -117906.	85
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -229785.	86
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -236573.	87
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -236642.	88
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -542641.	89
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -543470.	90
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -544410.	91
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -552903.	92
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -565492.	93
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -568939.	94
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -568939.	95
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -569768.	96
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -573985.	97

RANK ORDER: BENEFIT COST RATIO						
		COMMERCIAL TOTAL				
SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
69	3 B 5DS	\$ 73071.	\$ 91470.	6.9454		1
70	3 B 5DD	\$ 73071.	\$ 139279.	6.9454		2
81	3 B 6DS	\$ 67339.	\$ 131528.	6.3858		3
82	3 B 6DD	\$ 67339.	\$ 179343.	6.3858		4
97	3 B 10AS	\$ 76309.	\$ 54112.	5.9925		5
65	3 B 5A	\$ 46747.	\$ 84740.	4.4731		6
77	3 B 6A	\$ 46747.	\$ 170955.	4.4731		7
33	2 B 5E	\$ 36620.	\$ 28236.	4.0895		8
29	2 B 5A	\$ 34918.	\$ 28376.	3.8995		9
31	2 B 5C	\$ 34918.	\$ 28539.	3.8995		10
73	3 B 5FS	\$ 76578.	\$ 99371.	3.8583		11
74	3 B 5FD	\$ 76578.	\$ 147180.	3.8583		12
75	3 B 5GS	\$ 76578.	\$ 99371.	3.8583		13
76	3 B 5GD	\$ 76578.	\$ 147180.	3.8583		14
71	3 B 5ES	\$ 75175.	\$ 99746.	3.7857		15
72	3 B 5ED	\$ 75175.	\$ 147555.	3.7857		16
85	3 B 6FS	\$ 70230.	\$ 100096.	3.5301		17
86	3 B 6FD	\$ 70230.	\$ 147911.	3.5301		18
87	3 B 6GS	\$ 70230.	\$ 100096.	3.5301		19
88	3 B 6GD	\$ 70230.	\$ 147911.	3.5301		20
83	3 B 6ES	\$ 69315.	\$ 105235.	3.4828		21
84	3 B 6ED	\$ 69315.	\$ 153050.	3.4828		22
66	3 B 5B	\$ 60699.	\$ 86545.	3.0913		23
9	1 B 2DS	\$ 36904.	\$ 77926.	3.0594		24
10	1 B 2DD	\$ 36904.	\$ 128782.	3.0594		25
7	1 B 2CS	\$ 38916.	\$ 51394.	3.0583		26
8	1 B 2CD	\$ 38916.	\$ 120784.	3.0583		27
78	3 B 6B	\$ 58539.	\$ 94477.	2.9602		28
32	2 B 5D	\$ 33933.	\$ 30879.	2.9546		29
39	2 B 7AS	\$ 33443.	\$ 55566.	2.9115		30
40	2 B 7AD	\$ 33443.	\$ 123371.	2.9115		31
38	2 B 6E	\$ 23899.	\$ 62998.	2.6689		32
6	1 B 2B	\$ 26984.	\$ 80327.	2.5788		33
34	2 B 6A	\$ 22789.	\$ 73472.	2.5449		34
36	2 B 6C	\$ 22789.	\$ 70671.	2.5449		35
37	2 B 6D	\$ 28255.	\$ 69197.	2.4485		36
67	3 B 5CS	\$ 77927.	\$ 117034.	1.8502		37
68	3 B 5CD	\$ 77927.	\$ 164849.	1.8502		38
79	3 B 6CS	\$ 77433.	\$ 119096.	1.8343		39
80	3 B 6CD	\$ 77433.	\$ 166911.	1.8343		40
5	1 B 2A	\$ 33882.	\$ 62814.	1.7926		41
92	3 B 8B	\$ 73108.	\$ 82035.	1.6368		42
95	3 B 9B	\$ 72369.	\$ 89002.	1.6137		43
30	2 B 5B	\$ 30084.	\$ 49869.	1.5364		44
35	2 B 6B	\$ 27395.	\$ 60298.	1.3619		45
93	3 B 8C	\$ 36270.	\$ 83258.	1.1955		46
96	3 B 9C	\$ 34774.	\$ 90855.	1.1462		47
41	2 B 7BS	\$ 36867.	\$ 109193.	1.0188		48

RANK ORDER: BENEFIT COST RATIO (Cont'd)
COMMERCIAL TOTAL

SER	SALTTI	BENEFITS	COST	BENEFIT COST RATIO	RO
42	2 B 7BD	\$ 36867.	\$ 157007.	1. 0188	49
43	2 B 7CS	\$ 36867.	\$ 79015.	1. 0188	50
44	2 B 7CD	\$ 36867.	\$ 146796.	1. 0188	51
90	3 B 7B	\$ 30848.	\$ 110593.	1. 0168	52
54	3 B 1B	\$ 77129.	\$ 112220.	0. 9768	53
60	3 B 3B	\$ 76874.	\$ 117551.	0. 9723	54
63	3 B 4B	\$ 76650.	\$ 120696.	0. 9683	55
12	1 B 3B	\$ 37073.	\$ 79668.	0. 8348	56
48	2 B 9B	\$ 36036.	\$ 58695.	0. 8020	57
51	2 B10B	\$ 35297.	\$ 65662.	0. 7789	58
14	1 B 4A	\$ 39184.	\$ 78293.	0. 6729	59
13	1 B 3C	\$ 18696.	\$ 76797.	0. 6163	60
49	2 B 9C	\$ 17574.	\$ 74817.	0. 5793	61
52	2 B10C	\$ 16078.	\$ 82415.	0. 5300	62
89	3 B 7A	\$ 51439.	\$ 125766.	0. 4923	63
94	3 B 9A	\$ 51427.	\$ 135219.	0. 4922	64
91	3 B 8A	\$ 51378.	\$ 127456.	0. 4917	65
2	1 B 1B	\$ 38650.	\$ 112181.	0. 4899	66
16	2 B 1B	\$ 38479.	\$ 112220.	0. 4869	67
22	2 B 3B	\$ 38224.	\$ 94211.	0. 4824	68
26	2 B 4B	\$ 38000.	\$ 97356.	0. 4785	69
46	2 B 8B	\$ 12152.	\$ 102214.	0. 4006	70
56	3 B 1D	\$ 47623.	\$ 156889.	0. 3576	71
58	3 B 2B	\$ 47503.	\$ 157043.	0. 3567	72
61	3 B 3C	\$ 47264.	\$ 157762.	0. 3549	73
64	3 B 4C	\$ 46905.	\$ 160639.	0. 3523	74
11	1 B 3A	\$ 25873.	\$ 125035.	0. 2476	75
45	2 B 8A	\$ 25566.	\$ 125766.	0. 2447	76
50	2 B10A	\$ 25554.	\$ 130003.	0. 2446	77
47	2 B 9A	\$ 25505.	\$ 122240.	0. 2441	78
4	1 B 1D	\$ 23931.	\$ 156729.	0. 1797	79
18	2 B 1D	\$ 23692.	\$ 156889.	0. 1779	80
20	2 B 2B	\$ 23572.	\$ 148664.	0. 1770	81
24	2 B 3D	\$ 23333.	\$ 149322.	0. 1752	82
28	2 B 4D	\$ 22974.	\$ 152199.	0. 1725	83
53	3 B 1A	\$ 52597.	\$ 608288.	0. 0891	84
57	3 B 2A	\$ 52595.	\$ 609130.	0. 0891	85
59	3 B 3A	\$ 52595.	\$ 610070.	0. 0891	86
62	3 B 4A	\$ 52595.	\$ 618563.	0. 0891	87
55	3 B 1C	\$ 13645.	\$ 256103.	0. 0561	88
1	1 B 1A	\$ 26298.	\$ 608288.	0. 0446	89
15	2 B 1A	\$ 26298.	\$ 608288.	0. 0446	90
19	2 B 2A	\$ 26297.	\$ 609130.	0. 0446	91
21	2 B 3A	\$ 26296.	\$ 604854.	0. 0446	92
25	2 B 4A	\$ 26296.	\$ 613347.	0. 0446	93
3	1 B 1C	\$ 6857.	\$ 256100.	0. 0282	94
17	2 B 1C	\$ 6788.	\$ 256103.	0. 0279	95
23	2 B 3C	\$ 0.	\$ 127483.	0. 0000	96
27	2 B 4C	\$ 0.	\$ 127343.	0. 0000	97

RANK ORDER: BENEFIT MINUS COST						
		COMMERCIAL		TOTAL		
SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B10AS	\$ 76309	\$ 54112	\$	42506	1
69	3 B 5DS	\$ 73071	\$ 91470	\$	41774	2
70	3 B 5DD	\$ 73071	\$ 139279	\$	41774	3
73	3 B 5FS	\$ 76578	\$ 99371	\$	37934	4
74	3 B 5FD	\$ 76578	\$ 147180	\$	37934	5
75	3 B 5GS	\$ 76578	\$ 99371	\$	37934	6
76	3 B 5GD	\$ 76578	\$ 147180	\$	37934	7
81	3 B 6DS	\$ 67339	\$ 131528	\$	37842	8
82	3 B 6DD	\$ 67339	\$ 179343	\$	37842	9
71	3 B 5ES	\$ 75175	\$ 99746	\$	36972	10
72	3 B 5ED	\$ 75175	\$ 147555	\$	36972	11
85	3 B 6FS	\$ 70230	\$ 100096	\$	33580	12
86	3 B 6FD	\$ 70230	\$ 147911	\$	33580	13
87	3 B 6GS	\$ 70230	\$ 100096	\$	33580	14
88	3 B 6GD	\$ 70230	\$ 147911	\$	33580	15
83	3 B 6ES	\$ 69315	\$ 105235	\$	32952	16
84	3 B 6ED	\$ 69315	\$ 153050	\$	32952	17
66	3 B 5B	\$ 60699	\$ 86545	\$	24927	18
67	3 B 5CS	\$ 77927	\$ 117034	\$	23896	19
68	3 B 5CD	\$ 77927	\$ 164849	\$	23896	20
65	3 B 5A	\$ 46747	\$ 84740	\$	23656	21
77	3 B 6A	\$ 46747	\$ 170955	\$	23656	22
79	3 B 6CS	\$ 77433	\$ 119096	\$	23447	23
80	3 B 6CD	\$ 77433	\$ 166911	\$	23447	24
78	3 B 6B	\$ 58539	\$ 94477	\$	23364	25
33	2 B 5E	\$ 36620	\$ 28236	\$	18518	26
92	3 B 8B	\$ 73108	\$ 82035	\$	18510	27
95	3 B 9B	\$ 72369	\$ 89002	\$	17837	28
7	1 B 2CS	\$ 38916	\$ 51394	\$	17525	29
8	1 B 2CD	\$ 38916	\$ 120784	\$	17525	30
29	2 B 5A	\$ 34918	\$ 28376	\$	17379	31
31	2 B 5C	\$ 34918	\$ 28539	\$	17379	32
9	1 B 2DS	\$ 36904	\$ 77926	\$	16628	33
10	1 B 2DD	\$ 36904	\$ 128782	\$	16628	34
32	2 B 5D	\$ 33933	\$ 30879	\$	14977	35
39	2 B 7AS	\$ 33443	\$ 55566	\$	14647	36
40	2 B 7AD	\$ 33443	\$ 123371	\$	14647	37
37	2 B 6D	\$ 28255	\$ 69197	\$	11099	38
6	1 B 2B	\$ 26984	\$ 80327	\$	10753	39
38	2 B 6E	\$ 23899	\$ 62998	\$	10003	40
5	1 B 2A	\$ 33882	\$ 62814	\$	9448	41
34	2 B 6A	\$ 22789	\$ 73472	\$	9260	42
36	2 B 6C	\$ 22789	\$ 70671	\$	9260	43
30	2 B 5B	\$ 30084	\$ 49869	\$	6394	44
93	3 B 8C	\$ 36270	\$ 83258	\$	5932	45
96	3 B 9C	\$ 34774	\$ 90855	\$	4437	46
35	2 B 6B	\$ 27395	\$ 60298	\$	4314	47
90	3 B 7B	\$ 30848	\$ 110593	\$	511	48

RANK ORDER: BENEFIT MINUS COST (Cont'd)

SER	SALTTI	BENEFITS	COST	BENEFIT MINUS COST	RO
41	2 B 7BS	\$ 36867.	\$ 109193.	\$ 455.	49
42	2 B 7BD	\$ 36867.	\$ 157007.	\$ 455.	50
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ 455.	51
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ 455.	52
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -1220.	53
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -1455.	54
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -1662.	55
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -4802.	56
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -5754.	57
51	2 B10B	\$ 35297.	\$ 65662.	\$ -6427.	58
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -11642.	59
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -12742.	60
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -12763.	61
23	2 B 3C	\$ 0.	\$ 127483.	\$ -14001.	62
27	2 B 4C	\$ 0.	\$ 127343.	\$ -14001.	63
52	2 B10C	\$ 16078.	\$ 82415.	\$ -14259.	64
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -18185.	65
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -26782.	66
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -26939.	67
22	2 B 3B	\$ 38224.	\$ 94211.	\$ -27174.	68
26	2 B 4B	\$ 38000.	\$ 97356.	\$ -27381.	69
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -53054.	70
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -53065.	71
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -53115.	72
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -78620.	73
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -78927.	74
50	2 B10A	\$ 25554.	\$ 130003.	\$ -78939.	75
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -78988.	76
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -85534.	77
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -85654.	78
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -85893.	79
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -86252.	80
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -109226.	81
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -109465.	82
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -109585.	83
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -109824.	84
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -110183.	85
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -229668.	86
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -236457.	87
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -236525.	88
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -537425.	89
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -537426.	90
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -537426.	91
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -537426.	92
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -563723.	93
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -563723.	94
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -563725.	95
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -563725.	96
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -563725.	97

RANK ORDER: BENEFIT COST RATIO						
		FISHING		TOTAL		
SER	SALITI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
69	3 B 50S	\$ 73071	\$ 91470		7.8410	1
70	3 B 50D	\$ 73071	\$ 139279		7.8410	2
81	3 B 60S	\$ 67339	\$ 131528		7.2596	3
82	3 B 60D	\$ 67339	\$ 179343		7.2596	4
97	3 B10AS	\$ 76309	\$ 54112		6.7426	5
65	3 B 5A	\$ 46747	\$ 84740		5.4256	6
77	3 B 6A	\$ 46747	\$ 170955		5.4256	7
33	2 B 5E	\$ 36620	\$ 28236		4.5857	8
66	3 B 5B	\$ 60699	\$ 86545		4.5425	9
78	3 B 6B	\$ 58539	\$ 94477		4.4289	10
29	2 B 5A	\$ 34918	\$ 28376		4.3726	11
31	2 B 5C	\$ 34918	\$ 28539		4.3726	12
73	3 B 5FS	\$ 76578	\$ 99371		4.3394	13
74	3 B 5FD	\$ 76578	\$ 147180		4.3394	14
75	3 B 5GS	\$ 76578	\$ 99371		4.3394	15
76	3 B 5GD	\$ 76578	\$ 147180		4.3394	16
71	3 B 5ES	\$ 75175	\$ 99746		4.2641	17
72	3 B 5ED	\$ 75175	\$ 147555		4.2641	18
85	3 B 6FS	\$ 70230	\$ 100096		3.9986	19
86	3 B 6FD	\$ 70230	\$ 147911		3.9986	20
87	3 B 6GS	\$ 70230	\$ 100096		3.9986	21
88	3 B 6GD	\$ 70230	\$ 147911		3.9986	22
83	3 B 6ES	\$ 69315	\$ 105235		3.9494	23
84	3 B 6ED	\$ 69315	\$ 153050		3.9494	24
7	1 B 2CS	\$ 38916	\$ 51394		3.4335	25
8	1 B 2CD	\$ 38916	\$ 120784		3.4335	26
9	1 B 2DS	\$ 36904	\$ 77926		3.4306	27
10	1 B 2DD	\$ 36904	\$ 128782		3.4306	28
32	2 B 5D	\$ 33933	\$ 30879		3.3455	29
39	2 B 7AS	\$ 33443	\$ 55566		3.2981	30
40	2 B 7AD	\$ 33443	\$ 123371		3.2981	31
6	1 B 2B	\$ 26984	\$ 80327		3.1394	32
38	2 B 6E	\$ 23899	\$ 62998		2.9927	33
34	2 B 6A	\$ 22789	\$ 73472		2.8537	34
36	2 B 6C	\$ 22789	\$ 70671		2.8537	35
37	2 B 6D	\$ 28255	\$ 69197		2.8123	36
5	1 B 2A	\$ 33882	\$ 62814		2.3834	37
30	2 B 5B	\$ 30084	\$ 49869		2.2416	38
35	2 B 6B	\$ 27395	\$ 60298		2.1257	39
67	3 B 5CS	\$ 77927	\$ 117034		2.0939	40
68	3 B 5CD	\$ 77927	\$ 164849		2.0939	41
79	3 B 6CS	\$ 77433	\$ 119096		2.0903	42
80	3 B 6CD	\$ 77433	\$ 166911		2.0903	43
92	3 B 8B	\$ 73108	\$ 82035		1.9940	44
95	3 B 9B	\$ 72369	\$ 89002		1.9888	45
41	2 B 7BS	\$ 36867	\$ 109193		1.1424	46
42	2 B 7BD	\$ 36867	\$ 157007		1.1424	47

RANK ORDER: BENEFIT COST RATIO (Cont'd)

FISHING TOTAL

SER	SALTTI	BENEFITS	COST	BENEFIT COST RATIO	RO
43	2 B 7CS	\$ 36867.	\$ 79015.	1. 1424	48
44	2 B 7CD	\$ 36867.	\$ 146796.	1. 1424	49
54	3 B 1E	\$ 77129.	\$ 112220.	1. 1165	50
60	3 B 3E	\$ 76874.	\$ 117551.	1. 1156	51
63	3 B 4E	\$ 76650.	\$ 120696.	1. 1149	52
12	1 B 3E	\$ 37073.	\$ 79668.	1. 0003	53
48	2 B 9E	\$ 36036.	\$ 58695.	0. 9937	54
51	2 B10E	\$ 35297.	\$ 65662.	0. 9885	55
14	1 B 4A	\$ 39184.	\$ 78293.	0. 7555	56
2	1 B 1E	\$ 38650.	\$ 112181.	0. 5585	57
16	2 B 1E	\$ 38479.	\$ 112220.	0. 5580	58
22	2 B 3E	\$ 38224.	\$ 94211.	0. 5571	59
26	2 B 4E	\$ 38000.	\$ 97356.	0. 5563	60
1	1 B 1A	\$ 26298.	\$ 608288.	0. 0000	61
3	1 B 1C	\$ 6857.	\$ 256100.	0. 0000	62
4	1 B 1D	\$ 23931.	\$ 156729.	0. 0000	63
11	1 B 3A	\$ 25873.	\$ 125035.	0. 0000	64
13	1 B 3C	\$ 18696.	\$ 76797.	0. 0000	65
15	2 B 1A	\$ 26298.	\$ 608288.	0. 0000	66
17	2 B 1C	\$ 6788.	\$ 256103.	0. 0000	67
18	2 B 1D	\$ 23692.	\$ 156889.	0. 0000	68
19	2 B 2A	\$ 26297.	\$ 609130.	0. 0000	69
20	2 B 2E	\$ 23572.	\$ 148664.	0. 0000	70
21	2 B 3A	\$ 26296.	\$ 604854.	0. 0000	71
23	2 B 3C	\$ 0.	\$ 127483.	0. 0000	72
24	2 B 3D	\$ 23333.	\$ 149322.	0. 0000	73
25	2 B 4A	\$ 26296.	\$ 613347.	0. 0000	74
27	2 B 4C	\$ 0.	\$ 127343.	0. 0000	75
28	2 B 4D	\$ 22974.	\$ 152199.	0. 0000	76
45	2 B 8A	\$ 25566.	\$ 125766.	0. 0000	77
46	2 B 8E	\$ 12152.	\$ 102214.	0. 0000	78
47	2 B 9A	\$ 25505.	\$ 122240.	0. 0000	79
49	2 B 9C	\$ 17574.	\$ 74817.	0. 0000	80
50	2 B10A	\$ 25554.	\$ 130003.	0. 0000	81
52	2 B10C	\$ 16078.	\$ 82415.	0. 0000	82
53	3 B 1A	\$ 52597.	\$ 608288.	0. 0000	83
55	3 B 1C	\$ 13645.	\$ 256103.	0. 0000	84
56	3 B 1D	\$ 47623.	\$ 156889.	0. 0000	85
57	3 B 2A	\$ 52595.	\$ 609130.	0. 0000	86
58	3 B 2E	\$ 47503.	\$ 157043.	0. 0000	87
59	3 B 3A	\$ 52595.	\$ 610070.	0. 0000	88
61	3 B 3C	\$ 47264.	\$ 157762.	0. 0000	89
62	3 B 4A	\$ 52595.	\$ 618563.	0. 0000	90
64	3 B 4C	\$ 46905.	\$ 160639.	0. 0000	91
89	3 B 7A	\$ 51439.	\$ 125766.	0. 0000	92
90	3 B 7E	\$ 30848.	\$ 110593.	0. 0000	93
91	3 B 8A	\$ 51378.	\$ 127456.	0. 0000	94
93	3 B 8C	\$ 36270.	\$ 83258.	0. 0000	95
94	3 B 9A	\$ 51427.	\$ 135219.	0. 0000	96
96	3 B 9C	\$ 34774.	\$ 90855.	0. 0000	97

RANK ORDER: BENEFIT MINUS COST						
FISHING		TOTAL				
SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B 10AS	\$ 76309.	\$ 54112.	\$ 21538		1
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ 21175		2
70	3 B 5DD	\$ 73071.	\$ 139279.	\$ 21175		3
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ 19525.		4
74	3 B 5FD	\$ 76578.	\$ 147180.	\$ 19525		5
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ 19525.		6
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ 19525		7
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ 19375.		8
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ 19375.		9
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ 19084		10
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ 19084		11
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 18601.		12
78	3 B 6B	\$ 58539.	\$ 94477.	\$ 18005.		13
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ 17532.		14
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ 17532		15
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ 17532.		16
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ 17532.		17
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ 17244.		18
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ 17244.		19
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ 13544.		20
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ 13544.		21
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ 13499.		22
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ 13499.		23
65	3 B 5A	\$ 46747.	\$ 84740.	\$ 13279.		24
77	3 B 6A	\$ 46747.	\$ 170955.	\$ 13279.		25
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 12727.		26
95	3 B 9B	\$ 72369.	\$ 89002.	\$ 12661.		27
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 9468.		28
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ 9127.		29
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ 9127.		30
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 8905.		31
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 8905.		32
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ 8645.		33
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ 8645.		34
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 7917.		35
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ 7757.		36
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ 7757.		37
5	1 B 2A	\$ 33882.	\$ 62814.	\$ 7264.		38
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 6520.		39
6	1 B 2B	\$ 26984.	\$ 80327.	\$ 6419.		40
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 6117.		41
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 5911.		42
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 5262.		43
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 4895.		44
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 4895.		45
54	3 B 1B	\$ 77129.	\$ 112220.	\$ 2697.		46
60	3 B 3B	\$ 76874.	\$ 117551.	\$ 2677.		47
63	3 B 4B	\$ 76650.	\$ 120696.	\$ 2660.		48

133

RANK ORDER: BENEFIT MINUS COST (Cont'd)

FISHING TOTAL

SER	SALTTI	BENEFITS	COST	BENEFIT MINUS COST	RO
41	2 B 7ES	\$ 36867.	\$ 109193.	\$ 1519.	49
42	2 B 7ED	\$ 36867.	\$ 157007.	\$ 1519.	50
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ 1519.	51
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ 1519.	52
12	1 B 3E	\$ 37073.	\$ 79668.	\$ 4.	53
1	1 B 1A	\$ 26298.	\$ 608288.	\$ 0.	54
3	1 B 1C	\$ 6857.	\$ 256100.	\$ 0.	55
4	1 B 1D	\$ 23931.	\$ 156729.	\$ 0.	56
11	1 B 3A	\$ 25873.	\$ 125035.	\$ 0.	57
13	1 B 3C	\$ 18696.	\$ 76797.	\$ 0.	58
15	2 B 1A	\$ 26298.	\$ 608288.	\$ 0.	59
17	2 B 1C	\$ 6788.	\$ 256103.	\$ 0.	60
18	2 B 1D	\$ 23692.	\$ 156889.	\$ 0.	61
19	2 B 2A	\$ 26297.	\$ 609130.	\$ 0.	62
20	2 B 2E	\$ 23572.	\$ 148664.	\$ 0.	63
21	2 B 3A	\$ 26296.	\$ 604854.	\$ 0.	64
24	2 B 3D	\$ 23333.	\$ 149322.	\$ 0.	65
25	2 B 4A	\$ 26296.	\$ 613347.	\$ 0.	66
28	2 B 4D	\$ 22974.	\$ 152199.	\$ 0.	67
45	2 B 8A	\$ 25566.	\$ 125766.	\$ 0.	68
46	2 B 8E	\$ 12152.	\$ 102214.	\$ 0.	69
47	2 B 9A	\$ 25505.	\$ 122240.	\$ 0.	70
49	2 B 9C	\$ 17574.	\$ 74817.	\$ 0.	71
50	2 B10A	\$ 25554.	\$ 130003.	\$ 0.	72
52	2 B10C	\$ 16078.	\$ 82415.	\$ 0.	73
53	3 B 1A	\$ 52597.	\$ 608288.	\$ 0.	74
55	3 B 1C	\$ 13645.	\$ 256103.	\$ 0.	75
56	3 B 1D	\$ 47623.	\$ 156889.	\$ 0.	76
57	3 B 2A	\$ 52595.	\$ 609130.	\$ 0.	77
58	3 B 2E	\$ 47503.	\$ 157043.	\$ 0.	78
59	3 B 3A	\$ 52595.	\$ 610070.	\$ 0.	79
61	3 B 3C	\$ 47264.	\$ 157762.	\$ 0.	80
62	3 B 4A	\$ 52595.	\$ 618563.	\$ 0.	81
64	3 B 4C	\$ 46905.	\$ 160639.	\$ 0.	82
89	3 B 7A	\$ 51439.	\$ 125766.	\$ 0.	83
90	3 B 7B	\$ 30848.	\$ 110593.	\$ 0.	84
91	3 B 8A	\$ 51378.	\$ 127456.	\$ 0.	85
93	3 B 8C	\$ 36270.	\$ 83258.	\$ 0.	86
94	3 B 9A	\$ 51427.	\$ 135219.	\$ 0.	87
96	3 B 9C	\$ 34774.	\$ 90855.	\$ 0.	88
48	2 B 9E	\$ 36036.	\$ 58695.	\$ -81.	89
51	2 B10E	\$ 35297.	\$ 65662.	\$ -147.	90
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -4196.	91
23	2 B 3C	\$ 0.	\$ 127483.	\$ -6174.	92
27	2 B 4C	\$ 0.	\$ 127343.	\$ -6174.	93
2	1 B 1E	\$ 38650.	\$ 112181.	\$ -10220.	94
16	2 B 1E	\$ 38479.	\$ 112220.	\$ -10234.	95
22	2 B 3E	\$ 38224.	\$ 94211.	\$ -10254.	96
26	2 B 4E	\$ 38000.	\$ 97356.	\$ -10271.	97

134

RANK ORDER: BENEFIT COST RATIO						
ATLANTIC WITH SAR						
SER	SALITI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
97	3 B10AS	\$ 76309.	\$ 54112.		1. 5967	1
33	2 B 5E	\$ 36620.	\$ 28236.		1. 5430	2
29	2 B 5A	\$ 34918.	\$ 28376.		1. 4588	3
31	2 B 5C	\$ 34918.	\$ 28539.		1. 4497	4
32	2 B 5D	\$ 33933.	\$ 30879.		1. 3549	5
92	3 B 8B	\$ 73108.	\$ 82035.		1. 0243	6
66	3 B 5B	\$ 60699.	\$ 86545.		1. 0082	7
95	3 B 9B	\$ 72369.	\$ 89002.		0. 9379	8
69	3 B 5DS	\$ 73071.	\$ 91470.		0. 9153	9
78	3 B 6B	\$ 58539.	\$ 94477.		0. 9135	10
30	2 B 5B	\$ 30084.	\$ 49869.		0. 9035	11
73	3 B 5FS	\$ 76578.	\$ 99371.		0. 8593	12
75	3 B 5GS	\$ 76578.	\$ 99371.		0. 8593	13
7	1 B 2CS	\$ 38916.	\$ 51394.		0. 8468	14
71	3 B 5ES	\$ 75175.	\$ 99746.		0. 8438	15
65	3 B 5A	\$ 46747.	\$ 84740.		0. 8429	16
85	3 B 6FS	\$ 70230.	\$ 100096.		0. 8124	17
87	3 B 6GS	\$ 70230.	\$ 100096.		0. 8124	18
83	3 B 6ES	\$ 69315.	\$ 105235.		0. 7711	19
54	3 B 1B	\$ 77129.	\$ 112220.		0. 7381	20
5	1 B 2A	\$ 33882.	\$ 62814.		0. 7280	21
67	3 B 5CS	\$ 77927.	\$ 117034.		0. 7251	22
35	2 B 6B	\$ 27395.	\$ 60298.		0. 7150	23
48	2 B 9B	\$ 36036.	\$ 58695.		0. 7117	24
79	3 B 6CS	\$ 77433.	\$ 119096.		0. 7102	25
60	3 B 3B	\$ 76874.	\$ 117551.		0. 7050	26
39	2 B 7AS	\$ 33443.	\$ 55566.		0. 7000	27
63	3 B 4B	\$ 76650.	\$ 120696.		0. 6877	28
81	3 B 6DS	\$ 67339.	\$ 131528.		0. 6347	29
51	2 B10B	\$ 35297.	\$ 65662.		0. 6279	30
93	3 B 8C	\$ 36270.	\$ 83258.		0. 6055	31
70	3 B 5DD	\$ 73071.	\$ 139279.		0. 5944	32
37	2 B 6D	\$ 28255.	\$ 69197.		0. 5924	33
74	3 B 5FD	\$ 76578.	\$ 147180.		0. 5769	34
76	3 B 5GD	\$ 76578.	\$ 147180.		0. 5769	35
72	3 B 5ED	\$ 75175.	\$ 147555.		0. 5674	36
86	3 B 6FD	\$ 70230.	\$ 147911.		0. 5440	37
88	3 B 6GD	\$ 70230.	\$ 147911.		0. 5440	38
14	1 B 4A	\$ 39184.	\$ 78293.		0. 5349	39
12	1 B 3B	\$ 37073.	\$ 79668.		0. 5273	40
9	1 B 2DS	\$ 36904.	\$ 77926.		0. 5269	41
84	3 B 6ED	\$ 69315.	\$ 153050.		0. 5235	42
96	3 B 9C	\$ 34774.	\$ 90855.		0. 5185	43
68	3 B 5CD	\$ 77927.	\$ 164849.		0. 5155	44
80	3 B 6CD	\$ 77433.	\$ 166911.		0. 5076	45
43	2 B 7CS	\$ 36867.	\$ 79015.		0. 5065	46
6	1 B 2B	\$ 26984.	\$ 80327.		0. 5040	47
82	3 B 6DD	\$ 67339.	\$ 179343.		0. 4541	48

135

RANK ORDER: BENEFIT COST RATIO (Cont'd)

SER	SALTTI	BENEFITS	COST	BENEFIT COST RATIO	RO
77	3 B 6A	\$ 46747.	\$ 170955.	0.4518	49
22	2 B 3B	\$ 38224.	\$ 94211.	0.4362	50
89	3 B 7A	\$ 51439.	\$ 125766.	0.4359	51
91	3 B 8A	\$ 51378.	\$ 127456.	0.4311	52
26	2 B 4B	\$ 38000.	\$ 97356.	0.4228	53
38	2 B 6E	\$ 23899.	\$ 62998.	0.4151	54
94	3 B 9A	\$ 51427.	\$ 135219.	0.4061	55
2	1 B 1B	\$ 38650.	\$ 112181.	0.3692	56
16	2 B 1B	\$ 38479.	\$ 112220.	0.3689	57
41	2 B 7BS	\$ 36867.	\$ 109193.	0.3668	58
8	1 B 2CD	\$ 38916.	\$ 120784.	0.3553	59
13	1 B 3C	\$ 18696.	\$ 76797.	0.3524	60
90	3 B 7E	\$ 30848.	\$ 110593.	0.3450	61
49	2 B 9C	\$ 17574.	\$ 74817.	0.3337	62
36	2 B 6C	\$ 22789.	\$ 70671.	0.3329	63
34	2 B 6A	\$ 22789.	\$ 73472.	0.3208	64
10	1 B 2DD	\$ 36904.	\$ 128782.	0.3160	65
56	3 B 1D	\$ 47623.	\$ 156889.	0.3153	66
58	3 B 2B	\$ 47503.	\$ 157043.	0.3143	67
61	3 B 3C	\$ 47264.	\$ 157762.	0.3123	68
40	2 B 7AD	\$ 33443.	\$ 123371.	0.3097	69
64	3 B 4C	\$ 46905.	\$ 160639.	0.3043	70
44	2 B 7CD	\$ 36867.	\$ 146796.	0.2729	71
52	2 B 10C	\$ 16078.	\$ 82415.	0.2688	72
42	2 B 7BD	\$ 36867.	\$ 157007.	0.2552	73
47	2 B 9A	\$ 25505.	\$ 122240.	0.2244	74
11	1 B 3A	\$ 25873.	\$ 125035.	0.2195	75
45	2 B 8A	\$ 25566.	\$ 125766.	0.2179	76
50	2 B 10A	\$ 25554.	\$ 130003.	0.2109	77
20	2 B 2B	\$ 23572.	\$ 148664.	0.1644	78
24	2 B 3D	\$ 23333.	\$ 149322.	0.1626	79
4	1 B 1D	\$ 23931.	\$ 156729.	0.1586	80
28	2 B 4D	\$ 22974.	\$ 152199.	0.1570	81
18	2 B 1D	\$ 23692.	\$ 156889.	0.1568	82
46	2 B 8B	\$ 12152.	\$ 102214.	0.1478	83
53	3 B 1A	\$ 52597.	\$ 608288.	0.0867	84
57	3 B 2A	\$ 52595.	\$ 609130.	0.0866	85
59	3 B 3A	\$ 52595.	\$ 610070.	0.0864	86
62	3 B 4A	\$ 52595.	\$ 618563.	0.0853	87
55	3 B 1C	\$ 13645.	\$ 256103.	0.0538	88
21	2 B 3A	\$ 26296.	\$ 604854.	0.0436	89
1	1 B 1A	\$ 26298.	\$ 608288.	0.0433	90
15	2 B 1A	\$ 26298.	\$ 608288.	0.0433	91
19	2 B 2A	\$ 26297.	\$ 609130.	0.0433	92
25	2 B 4A	\$ 26296.	\$ 613347.	0.0430	93
3	1 B 1C	\$ 6857.	\$ 256100.	0.0270	94
17	2 B 1C	\$ 6788.	\$ 256103.	0.0268	95
23	2 B 3C	\$ 0.	\$ 127483.	0.0000	96
27	2 B 4C	\$ 0.	\$ 127343.	0.0000	97

RANK ORDER: BENEFIT MINUS COST
ATLANTIC WITH SAR

SER	SALTI	BENEFITS	C O S T	BENEFIT MINUS COST	RO
97	3 B10AS	\$ 76309.	\$ 54112	\$ 17384.	1
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 7789.	2
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 6537.	3
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 6546.	4
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 5551.	5
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 1107.	6
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 333.	7
30	2 B 5B	\$ 30084.	\$ 49869.	\$ -2141.	8
95	3 B 9B	\$ 72369.	\$ 89002.	\$ -3067.	9
78	3 B 6B	\$ 58539.	\$ 94477.	\$ -3783.	10
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ -4169.	11
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ -4267.	12
65	3 B 5A	\$ 46747.	\$ 84740.	\$ -6301.	13
35	2 B 6B	\$ 27395.	\$ 60298.	\$ -7499.	14
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ -7637.	15
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ -7637.	16
5	1 B 2A	\$ 33882.	\$ 62814.	\$ -8312.	17
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ -8511.	18
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ -8966.	19
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -9366.	20
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ -10098.	21
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ -10098.	22
37	2 B 6D	\$ 28255.	\$ 69197.	\$ -12717.	23
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ -12861.	24
51	2 B10B	\$ 35297.	\$ 65662.	\$ -13539.	25
93	3 B 8C	\$ 36270.	\$ 83258.	\$ -15301.	26
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -16829.	27
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ -17959.	28
6	1 B 2B	\$ 26984.	\$ 80327.	\$ -18681.	29
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ -19290.	30
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -19833.	31
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ -20030.	32
38	2 B 6E	\$ 23899.	\$ 62998.	\$ -20356.	33
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -20645.	34
96	3 B 9C	\$ 34774.	\$ 90855.	\$ -20905.	35
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -21010.	36
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -21506.	37
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ -21707.	38
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -22248.	39
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -22716.	40
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ -24416.	41
36	2 B 6C	\$ 22789.	\$ 70671.	\$ -27606.	42
52	2 B10C	\$ 16078.	\$ 82415.	\$ -28320.	43
34	2 B 6A	\$ 22789.	\$ 73472.	\$ -29162.	44
22	2 B 3B	\$ 38224.	\$ 94211.	\$ -30588.	45
70	3 B 5DD	\$ 73071.	\$ 139279.	\$ -30729.	46
26	2 B 4B	\$ 38000.	\$ 97356.	\$ -32261.	47
74	3 B 5FD	\$ 76578.	\$ 147180.	\$ -34198.	48
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ -34198.	49

RANK ORDER: BENEFIT MINUS COST (Cont'd)

SER	SALTTI	BENEFITS	COST	BENEFIT MINUS COST	RO
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ -35072.	50
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ -36662.	51
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ -36662.	52
90	3 B 7B	\$ 30848.	\$ 110593.	\$ -37909.	53
41	2 B 7BS	\$ 36867.	\$ 109193.	\$ -38473.	54
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ -39425.	55
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -40350.	56
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -40531.	57
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -40551.	58
77	3 B 6A	\$ 46747.	\$ 170955.	\$ -41039.	59
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -41148.	60
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ -42817.	61
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ -44523.	62
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -45358.	63
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -45593.	64
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ -45854.	65
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ -46635.	66
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ -48283.	67
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ -50980.	68
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -53847.	69
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -55466.	70
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -55947.	71
50	2 B10A	\$ 25554.	\$ 130003.	\$ -58292.	72
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ -59364.	73
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -62030.	74
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -62144.	75
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -62410.	76
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -64306.	77
42	2 B 7BD	\$ 36867.	\$ 157007.	\$ -65036.	78
27	2 B 4C	\$ 0.	\$ 127343.	\$ -70937.	79
23	2 B 3C	\$ 0.	\$ 127483.	\$ -71014.	80
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -71842.	81
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -72074.	82
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -73970.	83
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -76158.	84
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -76383.	85
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -142401.	86
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -146427.	87
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -146469.	88
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -328780.	89
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -329248.	90
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -329770.	91
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -334488.	92
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -342475.	93
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -344383.	94
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -344383.	95
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -344850.	96
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -347193.	97

RANK ORDER: BENEFIT COST RATIO						
PACIFIC WITH SAR						
SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
97	3 B10AS	\$ 76309.	\$ 54112.		1.1927	1
33	2 B 5E	\$ 36620.	\$ 28236.		1.0428	2
29	2 B 5A	\$ 34918.	\$ 28376.		0.9932	3
31	2 B 5C	\$ 34918.	\$ 28539.		0.9880	4
32	2 B 5D	\$ 33933.	\$ 30879.		0.8362	5
92	3 B 8B	\$ 73108.	\$ 82035.		0.7257	6
73	3 B 5FS	\$ 76578.	\$ 99371.		0.6640	7
75	3 B 5GS	\$ 76578.	\$ 99371.		0.6640	8
69	3 B 5DS	\$ 73071.	\$ 91470.		0.6633	9
95	3 B 9B	\$ 72369.	\$ 89002.		0.6579	10
7	1 B 2CS	\$ 38916.	\$ 51394.		0.6511	11
71	3 B 5ES	\$ 75175.	\$ 99746.		0.6450	12
54	3 B 1B	\$ 77129.	\$ 112220.		0.6193	13
67	3 B 5CS	\$ 77927.	\$ 117034.		0.5909	14
60	3 B 3B	\$ 76874.	\$ 117551.		0.5858	15
79	3 B 6CS	\$ 77433.	\$ 119096.		0.5742	16
85	3 B 6FS	\$ 70230.	\$ 100096.		0.5727	17
87	3 B 6GS	\$ 70230.	\$ 100096.		0.5727	18
63	3 B 4B	\$ 76650.	\$ 120696.		0.5652	19
83	3 B 6ES	\$ 69315.	\$ 105235.		0.5300	20
48	2 B 9B	\$ 36036.	\$ 58695.		0.4927	21
39	2 B 7AS	\$ 33443.	\$ 55566.		0.4877	22
14	1 B 4A	\$ 39184.	\$ 78293.		0.4554	23
74	3 B 5FD	\$ 76578.	\$ 147180.		0.4513	24
76	3 B 5GD	\$ 76578.	\$ 147180.		0.4513	25
70	3 B 5DD	\$ 73071.	\$ 139279.		0.4414	26
72	3 B 5ED	\$ 75175.	\$ 147555.		0.4389	27
66	3 B 5B	\$ 60699.	\$ 86545.		0.4296	28
51	2 B10B	\$ 35297.	\$ 65662.		0.4252	29
68	3 B 5CD	\$ 77927.	\$ 164849.		0.4188	30
43	2 B 7CS	\$ 36867.	\$ 79015.		0.4164	31
9	1 B 2DS	\$ 36904.	\$ 77926.		0.4102	32
80	3 B 6CD	\$ 77433.	\$ 166911.		0.4088	33
86	3 B 6FD	\$ 70230.	\$ 147911.		0.3924	34
88	3 B 6GD	\$ 70230.	\$ 147911.		0.3924	35
12	1 B 3B	\$ 37073.	\$ 79668.		0.3871	36
81	3 B 6DS	\$ 67339.	\$ 131528.		0.3852	37
89	3 B 7A	\$ 51439.	\$ 125766.		0.3735	38
84	3 B 6ED	\$ 69315.	\$ 153050.		0.3698	39
78	3 B 6B	\$ 58539.	\$ 94477.		0.3667	40
91	3 B 8A	\$ 51378.	\$ 127456.		0.3664	41
22	2 B 3B	\$ 38224.	\$ 94211.		0.3643	42
30	2 B 5B	\$ 30084.	\$ 49869.		0.3625	43
5	1 B 2A	\$ 33882.	\$ 62814.		0.3608	44
26	2 B 4B	\$ 38000.	\$ 97356.		0.3465	45
94	3 B 9A	\$ 51427.	\$ 135219.		0.3464	46
38	2 B 6E	\$ 23899.	\$ 62998.		0.3353	47
2	1 B 1B	\$ 38650.	\$ 112181.		0.3115	48

RANK ORDER: BENEFIT COST RATIO (Cont'd)

				PACIFIC WITH SAR		BENEFIT COST RATIO	RO
SER	SALTTI	BENEFITS	COST	BENEFIT	COST		
16	2 B 1E	\$ 38479.	\$ 112220.		0. 3080		49
36	2 B 6C	\$ 22789.	\$ 70671.		0. 3078		50
41	2 B 7ES	\$ 36867.	\$ 109193.		0. 3011		51
34	2 B 6A	\$ 22789.	\$ 73472.		0. 2952		52
82	3 B 6DD	\$ 67339.	\$ 179343.		0. 2900		53
65	3 B 5A	\$ 46747.	\$ 84740.		0. 2898		54
56	3 B 1D	\$ 47623.	\$ 156889.		0. 2875		55
93	3 B 8C	\$ 36270.	\$ 83258.		0. 2875		56
58	3 B 2B	\$ 47503.	\$ 157043.		0. 2863		57
61	3 B 3C	\$ 47264.	\$ 157762.		0. 2823		58
8	1 B 2CD	\$ 38916.	\$ 120784.		0. 2818		59
64	3 B 4C	\$ 46905.	\$ 160639.		0. 2753		60
96	3 B 9C	\$ 34774.	\$ 90855.		0. 2585		61
37	2 B 6D	\$ 28255.	\$ 69197.		0. 2572		62
35	2 B 6B	\$ 27395.	\$ 60298.		0. 2525		63
10	1 B 2DD	\$ 36904.	\$ 128782.		0. 2509		64
40	2 B 7AD	\$ 33443.	\$ 123371.		0. 2244		65
44	2 B 7CD	\$ 36867.	\$ 146796.		0. 2239		66
42	2 B 7BU	\$ 36867.	\$ 157007.		0. 2093		67
90	3 B 7B	\$ 30848.	\$ 110593.		0. 2063		68
11	1 B 3A	\$ 25873.	\$ 125035.		0. 1904		69
47	2 B 9A	\$ 25505.	\$ 122240.		0. 1879		70
6	1 B 2B	\$ 26984.	\$ 80327.		0. 1875		71
45	2 B 8A	\$ 25566.	\$ 125766.		0. 1841		72
50	2 B10A	\$ 25554.	\$ 130003.		0. 1777		73
13	1 B 3C	\$ 18696.	\$ 76797.		0. 1553		74
49	2 B 9C	\$ 17574.	\$ 74817.		0. 1522		75
20	2 B 2B	\$ 23572.	\$ 148664.		0. 1505		76
24	2 B 3D	\$ 23333.	\$ 149322.		0. 1476		77
4	1 B 1D	\$ 23931.	\$ 156729.		0. 1447		78
18	2 B 1D	\$ 23692.	\$ 156889.		0. 1430		79
28	2 B 4D	\$ 22974.	\$ 152199.		0. 1427		80
77	3 B 6A	\$ 46747.	\$ 170955.		0. 1345		81
52	2 B10C	\$ 16078.	\$ 82415.		0. 1298		82
46	2 B 8B	\$ 12152.	\$ 102214.		0. 0875		83
53	3 B 1A	\$ 52597.	\$ 608288.		0. 0861		84
57	3 B 2A	\$ 52595.	\$ 609130.		0. 0860		85
59	3 B 3A	\$ 52595.	\$ 610070.		0. 0859		86
62	3 B 4A	\$ 52595.	\$ 618563.		0. 0846		87
55	3 B 1C	\$ 13645.	\$ 256103.		0. 0526		88
21	2 B 3A	\$ 26296.	\$ 604854.		0. 0433		89
1	1 B 1A	\$ 26298.	\$ 608288.		0. 0431		90
15	2 B 1A	\$ 26298.	\$ 608288.		0. 0431		91
19	2 B 2A	\$ 26297.	\$ 609130.		0. 0430		92
25	2 B 4A	\$ 26296.	\$ 613347.		0. 0427		93
3	1 B 1C	\$ 6857.	\$ 256100.		0. 0264		94
17	2 B 1C	\$ 6788.	\$ 256103.		0. 0261		95
23	2 B 3C	\$ 0.	\$ 127483.		0. 0000		96
27	2 B 4C	\$ 0.	\$ 127343.		0. 0000		97

RANK ORDER: BENEFIT MINUS COST
PACIFIC WITH SAR

SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS COST	RO
97	3 B10AS	\$ 76309	\$ 54112	\$ 4813	1
33	2 B 5E	\$ 36620	\$ 28236	\$ 595	2
29	2 B 5A	\$ 34918	\$ 28376	\$ -95	3
31	2 B 5C	\$ 34918	\$ 28539	\$ -167	4
32	2 B 5D	\$ 33933	\$ 30879	\$ -2497	5
7	1 B 2CS	\$ 38916	\$ 51394	\$ -8211	6
92	3 B 8B	\$ 73108	\$ 82035	\$ -10033	7
39	2 B 7AS	\$ 33443	\$ 55566	\$ -13157	8
48	2 B 9B	\$ 36036	\$ 58695	\$ -13294	9
95	3 B 9B	\$ 72369	\$ 89002	\$ -13566	10
69	3 B 5DS	\$ 73071	\$ 91470	\$ -14231	11
73	3 B 5FS	\$ 76578	\$ 99371	\$ -15156	12
75	3 B 5GS	\$ 76578	\$ 99371	\$ -15156	13
71	3 B 5ES	\$ 75175	\$ 99746	\$ -16060	14
51	2 B10B	\$ 35297	\$ 65662	\$ -16826	15
30	2 B 5B	\$ 30084	\$ 49869	\$ -17644	16
54	3 B 1B	\$ 77129	\$ 112220	\$ -18262	17
14	1 B 4A	\$ 39184	\$ 78293	\$ -18464	18
38	2 B 6E	\$ 23899	\$ 62998	\$ -18743	19
85	3 B 6FS	\$ 70230	\$ 100096	\$ -19768	20
87	3 B 6GS	\$ 70230	\$ 100096	\$ -19768	21
36	2 B 6C	\$ 22789	\$ 70671	\$ -20277	22
43	2 B 7CS	\$ 36867	\$ 79015	\$ -20441	23
5	1 B 2A	\$ 33882	\$ 62814	\$ -20619	24
60	3 B 3B	\$ 76874	\$ 117551	\$ -20844	25
9	1 B 2DS	\$ 36904	\$ 77926	\$ -20992	26
67	3 B 5CS	\$ 77927	\$ 117034	\$ -21149	27
34	2 B 6A	\$ 22789	\$ 73472	\$ -21521	28
12	1 B 3B	\$ 37073	\$ 79668	\$ -21586	29
79	3 B 6CS	\$ 77433	\$ 119096	\$ -22373	30
63	3 B 4B	\$ 76650	\$ 120696	\$ -22539	31
83	3 B 6ES	\$ 69315	\$ 105235	\$ -23059	32
22	2 B 3B	\$ 38224	\$ 94211	\$ -25399	33
35	2 B 6B	\$ 27395	\$ 60298	\$ -25404	34
66	3 B 5B	\$ 60699	\$ 86545	\$ -26179	35
26	2 B 4B	\$ 38000	\$ 97356	\$ -27094	36
37	2 B 6D	\$ 28255	\$ 69197	\$ -28225	37
93	3 B 8C	\$ 36270	\$ 83258	\$ -31687	38
65	3 B 5A	\$ 46747	\$ 84740	\$ -31693	39
78	3 B 6B	\$ 58539	\$ 94477	\$ -32155	40
2	1 B 1B	\$ 38650	\$ 112181	\$ -33000	41
16	2 B 1B	\$ 38479	\$ 112220	\$ -33190	42
41	2 B 7BS	\$ 36867	\$ 109193	\$ -33853	43
89	3 B 7A	\$ 51439	\$ 125766	\$ -33977	44
49	2 B 9C	\$ 17574	\$ 74817	\$ -34527	45
6	1 B 2B	\$ 26984	\$ 80327	\$ -34662	46
91	3 B 8A	\$ 51378	\$ 127456	\$ -34929	47
96	3 B 9C	\$ 34774	\$ 90855	\$ -35176	48

RANK ORDER: BENEFIT MINUS COST (Cont'd)

SER	SALTTI	BENEFITS	COST	PACIFIC WITH SAR	BENEFIT MINUS COST	RO
70	3 B 5DD	\$ 73071.	\$ 139279.		\$ -35480.	49
13	1 B 3C	\$ 18696.	\$ 76797.		\$ -35854.	50
74	3 B 5FD	\$ 76578.	\$ 147180.		\$ -36404.	51
76	3 B 5GD	\$ 76578.	\$ 147180.		\$ -36404.	52
72	3 B 5ED	\$ 75175.	\$ 147555.		\$ -37309.	53
52	2 B10C	\$ 16078.	\$ 82415.		\$ -38017.	54
94	3 B 9A	\$ 51427.	\$ 135219.		\$ -38198.	55
8	1 B 2CD	\$ 38916.	\$ 120784.		\$ -39051.	56
81	3 B 6DS	\$ 67339.	\$ 131528.		\$ -39773.	57
86	3 B 6FD	\$ 70230.	\$ 147911.		\$ -41019.	58
88	3 B 6GD	\$ 70230.	\$ 147911.		\$ -41019.	59
90	3 B 7B	\$ 30848.	\$ 110593.		\$ -41836.	60
68	3 B 5CD	\$ 77927.	\$ 164849.		\$ -42400.	61
47	2 B 9A	\$ 25505.	\$ 122240.		\$ -42888.	62
40	2 B 7AD	\$ 33443.	\$ 123371.		\$ -43293.	63
10	1 B 2DD	\$ 36904.	\$ 128782.		\$ -43595.	64
80	3 B 6CD	\$ 77433.	\$ 166911.		\$ -43624.	65
11	1 B 3A	\$ 25873.	\$ 125035.		\$ -43695.	66
45	2 B 8A	\$ 25566.	\$ 125766.		\$ -44254.	67
84	3 B 6ED	\$ 69315.	\$ 153050.		\$ -44311.	68
46	2 B 8B	\$ 12152.	\$ 102214.		\$ -44703.	69
50	2 B10A	\$ 25554.	\$ 130003.		\$ -46157.	70
56	3 B 1D	\$ 47623.	\$ 156889.		\$ -47236.	71
58	3 B 2B	\$ 47503.	\$ 157043.		\$ -47395.	72
61	3 B 3C	\$ 47264.	\$ 157762.		\$ -48088.	73
64	3 B 4C	\$ 46905.	\$ 160639.		\$ -49428.	74
44	2 B 7CD	\$ 36867.	\$ 146796.		\$ -50566.	75
20	2 B 2B	\$ 23572.	\$ 148664.		\$ -53250.	76
24	2 B 3D	\$ 23333.	\$ 149322.		\$ -53915.	77
42	2 B 7BD	\$ 36867.	\$ 157007.		\$ -55104.	78
28	2 B 4D	\$ 22974.	\$ 152199.		\$ -55255.	79
27	2 B 4C	\$ 0.	\$ 127343.		\$ -56406.	80
23	2 B 3C	\$ 0.	\$ 127483.		\$ -56468.	81
4	1 B 1D	\$ 23931.	\$ 156729.		\$ -56639.	82
18	2 B 1D	\$ 23692.	\$ 156889.		\$ -56815.	83
82	3 B 6DD	\$ 67339.	\$ 179343.		\$ -61025.	84
77	3 B 6A	\$ 46747.	\$ 170955.		\$ -83170.	85
55	3 B 1C	\$ 13645.	\$ 256103.		\$ -100056.	86
3	1 B 1C	\$ 6857.	\$ 256100.		\$ -102816.	87
17	2 B 1C	\$ 6788.	\$ 256103.		\$ -102845.	88
53	3 B 1A	\$ 52597.	\$ 608288.		\$ -226911.	89
57	3 B 2A	\$ 52595.	\$ 609130.		\$ -227287.	90
59	3 B 3A	\$ 52595.	\$ 610070.		\$ -227705.	91
62	3 B 4A	\$ 52595.	\$ 618563.		\$ -231480.	92
21	2 B 3A	\$ 26296.	\$ 604854.		\$ -236083.	93
1	1 B 1A	\$ 26298.	\$ 608288.		\$ -237607.	94
15	2 B 1A	\$ 26298.	\$ 608288.		\$ -237607.	95
19	2 B 2A	\$ 26297.	\$ 609130.		\$ -237983.	96
25	2 B 4A	\$ 26296.	\$ 613347.		\$ -239857.	97

RANK ORDER: BENEFIT COST RATIO
ATLANTIC WITHOUT SAR

SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
33	2 B 5E	\$ 36620.	\$ 28236.	2.8977		1
29	2 B 5A	\$ 34918.	\$ 28376.	2.7963		2
31	2 B 5C	\$ 34918.	\$ 28539.	2.7631		3
37	2 B 6D	\$ 28255.	\$ 69197.	2.5117		4
38	2 B 6E	\$ 23899.	\$ 62998.	2.4427		5
32	2 B 5D	\$ 33933.	\$ 30879.	2.3331		6
36	2 B 6C	\$ 22789.	\$ 70671.	2.3292		7
97	3 B10AS	\$ 76309.	\$ 54112.	1.9733		8
34	2 B 6A	\$ 22789.	\$ 73472.	1.8440		9
30	2 B 5B	\$ 30084.	\$ 49869.	1.8000		10
66	3 B 5B	\$ 60699.	\$ 86545.	1.7002		11
77	3 B 6A	\$ 46747.	\$ 170955.	1.6512		12
78	3 B 6B	\$ 58539.	\$ 94477.	1.5786		13
35	2 B 6B	\$ 27395.	\$ 60298.	1.5266		14
65	3 B 5A	\$ 46747.	\$ 84740.	1.5229		15
92	3 B 8B	\$ 73108.	\$ 82035.	1.1828		16
7	1 B 2CS	\$ 38916.	\$ 51394.	1.1072		17
95	3 B 9B	\$ 72369.	\$ 89002.	1.0840		18
69	3 B 5DS	\$ 73071.	\$ 91470.	1.0530		19
81	3 B 6DS	\$ 67339.	\$ 131528.	1.0335		20
93	3 B 8C	\$ 36270.	\$ 83258.	0.9983		21
73	3 B 5FS	\$ 76578.	\$ 99371.	0.9681		22
75	3 B 5GS	\$ 76578.	\$ 99371.	0.9681		23
6	1 B 2B	\$ 26984.	\$ 80327.	0.9611		24
71	3 B 5ES	\$ 75175.	\$ 99746.	0.9566		25
5	1 B 2A	\$ 33882.	\$ 62814.	0.9555		26
85	3 B 6FS	\$ 70230.	\$ 100096.	0.9417		27
87	3 B 6GS	\$ 70230.	\$ 100096.	0.9417		28
96	3 B 9C	\$ 34774.	\$ 90855.	0.9054		29
83	3 B 6ES	\$ 69315.	\$ 105235.	0.9024		30
90	3 B 7B	\$ 30848.	\$ 110593.	0.8778		31
48	2 B 9B	\$ 36036.	\$ 58695.	0.8759		32
39	2 B 7AS	\$ 33443.	\$ 55566.	0.8682		33
54	3 B 1B	\$ 77129.	\$ 112220.	0.8119		34
67	3 B 5CS	\$ 77927.	\$ 117034.	0.7979		35
79	3 B 6CS	\$ 77433.	\$ 119096.	0.7804		36
60	3 B 3B	\$ 76874.	\$ 117551.	0.7723		37
51	2 B10B	\$ 35297.	\$ 65662.	0.7684		38
63	3 B 4B	\$ 76650.	\$ 120696.	0.7517		39
70	3 B 5DD	\$ 73071.	\$ 139279.	0.6496		40
82	3 B 6DD	\$ 67339.	\$ 179343.	0.6274		41
74	3 B 5FD	\$ 76578.	\$ 147180.	0.6240		42
76	3 B 5GD	\$ 76578.	\$ 147180.	0.6240		43
14	1 B 4A	\$ 39184.	\$ 78293.	0.6184		44
72	3 B 5ED	\$ 75175.	\$ 147555.	0.6162		45
12	1 B 3B	\$ 37073.	\$ 79668.	0.6149		46
9	1 B 2DS	\$ 36904.	\$ 77926.	0.6066		47
49	2 B 9C	\$ 17574.	\$ 74817.	0.6042		48

143

RANK ORDER: BENEFIT COST RATIO(Cont'd)
ATLANTIC WITHOUT SAR

SER	SALT	TI	BENEFITS	COST	BENEFIT COST	RATIO	RO
86	3	B	6FD	\$ 70230.	\$ 147911.	0.5990	49
88	3	B	6GD	\$ 70230.	\$ 147911.	0.5990	50
84	3	B	6ED	\$ 69315.	\$ 153050.	0.5809	51
43	2	B	7CS	\$ 36867.	\$ 79015.	0.5799	52
68	3	B	5CD	\$ 77927.	\$ 164849.	0.5513	53
80	3	B	6CD	\$ 77433.	\$ 166911.	0.5425	54
13	1	B	3C	\$ 18696.	\$ 76797.	0.5320	55
52	2	B	10C	\$ 16078.	\$ 82415.	0.5159	56
22	2	B	3B	\$ 38224.	\$ 94211.	0.4891	57
89	3	B	7A	\$ 51439.	\$ 125766.	0.4755	58
26	2	B	4B	\$ 38000.	\$ 97356.	0.4724	59
91	3	B	8A	\$ 51378.	\$ 127456.	0.4698	60
94	3	B	9A	\$ 51427.	\$ 135219.	0.4403	61
46	2	B	8B	\$ 12152.	\$ 102214.	0.4347	62
2	1	B	1B	\$ 38650.	\$ 112181.	0.4061	63
16	2	B	1B	\$ 38479.	\$ 112220.	0.4058	64
41	2	B	7BS	\$ 36867.	\$ 109193.	0.4037	65
8	1	B	2CD	\$ 38916.	\$ 120784.	0.3941	66
10	1	B	2DD	\$ 36904.	\$ 128782.	0.3430	67
56	3	B	1D	\$ 47623.	\$ 156889.	0.3401	68
58	3	B	2B	\$ 47503.	\$ 157043.	0.3393	69
40	2	B	7AD	\$ 33443.	\$ 123371.	0.3387	70
61	3	B	3C	\$ 47264.	\$ 157762.	0.3350	71
64	3	B	4C	\$ 46905.	\$ 160639.	0.3268	72
44	2	B	7CD	\$ 36867.	\$ 146796.	0.2929	73
42	2	B	7BD	\$ 36867.	\$ 157007.	0.2726	74
47	2	B	9A	\$ 25505.	\$ 122240.	0.2455	75
11	1	B	3A	\$ 25873.	\$ 125035.	0.2395	76
45	2	B	8A	\$ 25566.	\$ 125766.	0.2376	77
50	2	B	10A	\$ 25554.	\$ 130003.	0.2294	78
20	2	B	2B	\$ 23572.	\$ 148664.	0.1782	79
24	2	B	3D	\$ 23333.	\$ 149322.	0.1751	80
4	1	B	1D	\$ 23931.	\$ 156729.	0.1709	81
28	2	B	4D	\$ 22974.	\$ 152199.	0.1693	82
18	2	B	1D	\$ 23692.	\$ 156889.	0.1692	83
53	3	B	1A	\$ 52597.	\$ 608288.	0.0881	84
57	3	B	2A	\$ 52595.	\$ 609130.	0.0880	85
59	3	B	3A	\$ 52595.	\$ 610070.	0.0879	86
62	3	B	4A	\$ 52595.	\$ 618563.	0.0867	87
55	3	B	1C	\$ 13645.	\$ 256103.	0.0559	88
21	2	B	3A	\$ 26296.	\$ 604854.	0.0443	89
1	1	B	1A	\$ 26298.	\$ 608288.	0.0440	90
15	2	B	1A	\$ 26298.	\$ 608288.	0.0440	91
19	2	B	2A	\$ 26297.	\$ 609130.	0.0440	92
25	2	B	4A	\$ 26296.	\$ 613347.	0.0437	93
3	1	B	1C	\$ 6857.	\$ 256100.	0.0281	94
17	2	B	1C	\$ 6788.	\$ 256103.	0.0278	95
23	2	B	3C	\$ 0.	\$ 127483.	0.0000	96
27	2	B	4C	\$ 0.	\$ 127343.	0.0000	97

RANK ORDER: BENEFIT MINUS COST
ATLANTIC WITHOUT SAR

SER	SALITI	BENEFITS	C O S T	BENEFIT MINUS COST	RO
97	3 B10AS	\$ 76309.	\$ 54112.	\$ 22943.	1
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 16879.	2
78	3 B 6B	\$ 58539.	\$ 94477.	\$ 14633.	3
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 14495.	4
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 13558.	5
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 13467.	6
77	3 B 6A	\$ 46747.	\$ 170955.	\$ 13337.	7
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 12108.	8
65	3 B 5A	\$ 46747.	\$ 84740.	\$ 11612.	9
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 11122.	10
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 8912.	11
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 8531.	12
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 7860.	13
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 7197.	14
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 6489.	15
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 6304.	16
95	3 B 9B	\$ 72369.	\$ 89002.	\$ 3586.	17
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ 2284.	18
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ 2266.	19
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ 1376.	20
93	3 B 8C	\$ 36270.	\$ 83258.	\$ -39.	21
6	1 B 2B	\$ 26984.	\$ 80327.	\$ -768.	22
5	1 B 2A	\$ 33882.	\$ 62814.	\$ -1035.	23
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ -1537.	24
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ -1537.	25
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ -2087.	26
96	3 B 9C	\$ 34774.	\$ 90855.	\$ -2353.	27
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ -2708.	28
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ -2708.	29
90	3 B 7B	\$ 30848.	\$ 110593.	\$ -2781.	30
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ -3175.	31
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -3275.	32
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ -4684.	33
51	2 B10B	\$ 35297.	\$ 65662.	\$ -6886.	34
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -7454.	35
52	2 B10C	\$ 16078.	\$ 82415.	\$ -9768.	36
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -10230.	37
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -10649.	38
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -10986.	39
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ -11998.	40
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ -13296.	41
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -13971.	42
27	2 B 4C	\$ 0.	\$ 127343.	\$ -14402.	43
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ -14466.	44
23	2 B 3C	\$ 0.	\$ 127483.	\$ -14480.	45
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -14655.	46
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -14680.	47
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -15640.	48

RANK ORDER: BENEFIT MINUS COST (Cont'd)

ATLANTIC WITHOUT SAR

SER	SALTTI	BENEFITS	COST	BENEFIT MINUS COST	RO
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ -16143.	49
70	3 B 5DD	\$ 73071.	\$ 139279.	\$ -24294.	50
22	2 B 3B	\$ 38224.	\$ 94211.	\$ -24726.	51
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ -25188.	52
26	2 B 4B	\$ 38000.	\$ 97356.	\$ -26395.	53
74	3 B 5FD	\$ 76578.	\$ 147180.	\$ -28098.	54
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ -28098.	55
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ -28647.	56
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ -29272.	57
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ -29272.	58
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ -31247.	59
41	2 B 7BS	\$ 36867.	\$ 109193.	\$ -32909.	60
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -34395.	61
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -34690.	62
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -34708.	63
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -35185.	64
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ -36266.	65
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ -38562.	66
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -39637.	67
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ -39860.	68
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ -40844.	69
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ -42719.	70
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -47884.	71
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -49519.	72
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -49992.	73
50	2 B 10A	\$ 25554.	\$ 130003.	\$ -52335.	74
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ -53799.	75
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -55412.	76
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -55484.	77
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -56266.	78
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -57957.	79
42	2 B 7BD	\$ 36867.	\$ 157007.	\$ -59472.	80
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -65181.	81
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -65929.	82
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -67620.	83
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -69621.	84
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -69764.	85
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -136843.	86
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -140870.	87
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -140911.	88
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -323003.	89
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -323462.	90
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -323985.	91
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -328703.	92
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -336690.	93
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -338605.	94
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -338605.	95
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -339065.	96
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -341408.	97

RANK ORDER: BENEFIT COST RATIO						
		PACIFIC		WITHOUT SAR		
SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
33	2 B 5E	\$ 36620.	\$ 28236.		2. 6783	1
29	2 B 5A	\$ 34918.	\$ 28376.		2. 5886	2
31	2 B 5C	\$ 34918.	\$ 28539.		2. 5538	3
38	2 B 6E	\$ 23899.	\$ 62998.		2. 3465	4
36	2 B 6C	\$ 22789.	\$ 70671.		2. 2375	5
32	2 B 5D	\$ 33933.	\$ 30879.		2. 0008	6
37	2 B 6D	\$ 28255.	\$ 69197.		1. 9593	7
34	2 B 6A	\$ 22789.	\$ 73472.		1. 7093	8
97	3 B10AS	\$ 76309.	\$ 54112.		1. 6680	9
30	2 B 5B	\$ 30084.	\$ 49869.		1. 3349	10
66	3 B 5B	\$ 60699.	\$ 86545.		1. 1020	11
35	2 B 6B	\$ 27395.	\$ 60298.		1. 0139	12
78	3 B 6B	\$ 58539.	\$ 94477.		0. 9882	13
7	1 B 2CS	\$ 38916.	\$ 51394.		0. 9547	14
92	3 B 8B	\$ 73108.	\$ 82035.		0. 9451	15
95	3 B 9B	\$ 72369.	\$ 89002.		0. 8480	16
69	3 B 5DS	\$ 73071.	\$ 91470.		0. 8398	17
77	3 B 6A	\$ 46747.	\$ 170955.		0. 8295	18
73	3 B 5FS	\$ 76578.	\$ 99371.		0. 8097	19
75	3 B 5GS	\$ 76578.	\$ 99371.		0. 8097	20
71	3 B 5ES	\$ 75175.	\$ 99746.		0. 7907	21
81	3 B 6DS	\$ 67339.	\$ 131528.		0. 7787	22
93	3 B 8C	\$ 36270.	\$ 83258.		0. 7685	23
65	3 B 5A	\$ 46747.	\$ 84740.		0. 7621	24
85	3 B 6FS	\$ 70230.	\$ 100096.		0. 7443	25
87	3 B 6GS	\$ 70230.	\$ 100096.		0. 7443	26
54	3 B 1B	\$ 77129.	\$ 112220.		0. 7320	27
48	2 B 9B	\$ 36036.	\$ 58695.		0. 7289	28
83	3 B 6ES	\$ 69315.	\$ 105235.		0. 7056	29
96	3 B 9C	\$ 34774.	\$ 90855.		0. 6921	30
67	3 B 5CS	\$ 77927.	\$ 117034.		0. 6910	31
60	3 B 3B	\$ 76874.	\$ 117551.		0. 6866	32
39	2 B 7AS	\$ 33443.	\$ 55566.		0. 6814	33
90	3 B 7B	\$ 30848.	\$ 110593.		0. 6787	34
5	1 B 2A	\$ 33882.	\$ 62814.		0. 6754	35
79	3 B 6CS	\$ 77433.	\$ 119096.		0. 6680	36
63	3 B 4B	\$ 76650.	\$ 120696.		0. 6621	37
51	2 B10B	\$ 35297.	\$ 65662.		0. 6107	38
14	1 B 4A	\$ 39184.	\$ 78293.		0. 5901	39
6	1 B 2B	\$ 26984.	\$ 80327.		0. 5331	40
43	2 B 7CS	\$ 36867.	\$ 79015.		0. 5226	41
74	3 B 5FD	\$ 76578.	\$ 147180.		0. 5143	42
76	3 B 5GD	\$ 76578.	\$ 147180.		0. 5143	43
70	3 B 5DD	\$ 73071.	\$ 139279.		0. 5132	44
9	1 B 2DS	\$ 36904.	\$ 77926.		0. 5128	45
12	1 B 3B	\$ 37073.	\$ 79668.		0. 5032	46
72	3 B 5ED	\$ 75175.	\$ 147555.		0. 5018	47
49	2 B 9C	\$ 17574.	\$ 74817.		0. 4808	48

RANK ORDER: BENEFIT COST RATIO (Cont'd)

SER	SALTTI	BENEFITS	COST	PACIFIC WITHOUT SAR		RATIO	RO
				BENEFIT	COST		
82	3 B 6DD	\$ 67339.	\$ 179343.			0. 4680	49
68	3 B 5CD	\$ 77927.	\$ 164849.			0. 4667	50
86	3 B 6FD	\$ 70230.	\$ 147911.			0. 4661	51
88	3 B 6GD	\$ 70230.	\$ 147911.			0. 4661	52
80	3 B 6CD	\$ 77433.	\$ 166911.			0. 4543	53
89	3 B 7A	\$ 51439.	\$ 125766.			0. 4506	54
84	3 B 6ED	\$ 69315.	\$ 153050.			0. 4475	55
22	2 B 3B	\$ 38224.	\$ 94211.			0. 4469	56
91	3 B 8A	\$ 51378.	\$ 127456.			0. 4431	57
26	2 B 4B	\$ 38000.	\$ 97356.			0. 4242	58
94	3 B 9A	\$ 51427.	\$ 135219.			0. 4119	59
13	1 B 3C	\$ 18696.	\$ 76797.			0. 4113	60
52	2 B10C	\$ 16078.	\$ 82415.			0. 4059	61
2	1 B 1B	\$ 38650.	\$ 112181.			0. 3679	62
16	2 B 1B	\$ 38479.	\$ 112220.			0. 3641	63
41	2 B 7BS	\$ 36867.	\$ 109193.			0. 3530	64
46	2 B 8B	\$ 12152.	\$ 102214.			0. 3483	65
56	3 B 1D	\$ 47623.	\$ 156889.			0. 3308	66
58	3 B 2B	\$ 47503.	\$ 157043.			0. 3300	67
8	1 B 2CD	\$ 38916.	\$ 120784.			0. 3268	68
61	3 B 3C	\$ 47264.	\$ 157762.			0. 3254	69
64	3 B 4C	\$ 46905.	\$ 160639.			0. 3165	70
10	1 B 2DD	\$ 36904.	\$ 128782.			0. 2858	71
40	2 B 7AD	\$ 33443.	\$ 123371.			0. 2581	72
44	2 B 7CD	\$ 36867.	\$ 146796.			0. 2513	73
42	2 B 7BD	\$ 36867.	\$ 157007.			0. 2331	74
11	1 B 3A	\$ 25873.	\$ 125035.			0. 2305	75
47	2 B 9A	\$ 25505.	\$ 122240.			0. 2294	76
45	2 B 8A	\$ 25566.	\$ 125766.			0. 2220	77
50	2 B10A	\$ 25554.	\$ 130003.			0. 2129	78
20	2 B 2B	\$ 23572.	\$ 148664.			0. 1750	79
24	2 B 3D	\$ 23333.	\$ 149322.			0. 1717	80
4	1 B 1D	\$ 23931.	\$ 156729.			0. 1662	81
28	2 B 4D	\$ 22974.	\$ 152199.			0. 1655	82
18	2 B 1D	\$ 23692.	\$ 156889.			0. 1646	83
53	3 B 1A	\$ 52597.	\$ 608288.			0. 0887	84
57	3 B 2A	\$ 52595.	\$ 609130.			0. 0886	85
59	3 B 3A	\$ 52595.	\$ 610070.			0. 0885	86
62	3 B 4A	\$ 52595.	\$ 618563.			0. 0871	87
55	3 B 1C	\$ 13645.	\$ 256103.			0. 0563	88
21	2 B 3A	\$ 26296.	\$ 604854.			0. 0447	89
1	1 B 1A	\$ 26298.	\$ 608288.			0. 0444	90
15	2 B 1A	\$ 26298.	\$ 608288.			0. 0444	91
19	2 B 2A	\$ 26297.	\$ 609130.			0. 0443	92
25	2 B 4A	\$ 26296.	\$ 613347.			0. 0440	93
3	1 B 1C	\$ 6857.	\$ 256100.			0. 0283	94
17	2 B 1C	\$ 6788.	\$ 256103.			0. 0280	95
23	2 B 3C	\$ 0.	\$ 127483.			0. 0000	96
27	2 B 4C	\$ 0.	\$ 127343.			0. 0000	97

148

RANK ORDER: BENEFIT MINUS COST						
PACIFIC WITHOUT SAR						
SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B10AS	\$ 76309.	\$ 54112.	\$ 11932.		1
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 9078.		2
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 8477.		3
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 8404.		4
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 6374.		5
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 5425.		6
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 4986.		7
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 4786.		8
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 3741.		9
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 2517.		10
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 1825.		11
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 118.		12
78	3 B 6B	\$ 58539.	\$ 94477.	\$ -221.		13
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ -728.		14
92	3 B 8B	\$ 73108.	\$ 82035.	\$ -1542.		15
77	3 B 6A	\$ 46747.	\$ 170955.	\$ -2657.		16
93	3 B 8C	\$ 36270.	\$ 83258.	\$ -3852.		17
65	3 B 5A	\$ 46747.	\$ 84740.	\$ -4037.		18
95	3 B 9B	\$ 72369.	\$ 89002.	\$ -4675.		19
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -4802.		20
90	3 B 7B	\$ 30848.	\$ 110593.	\$ -5149.		21
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ -5349.		22
96	3 B 9C	\$ 34774.	\$ 90855.	\$ -5456.		23
5	1 B 2A	\$ 33882.	\$ 62814.	\$ -5593.		24
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ -5855.		25
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -6692.		26
6	1 B 2B	\$ 26984.	\$ 80327.	\$ -7006.		27
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ -7036.		28
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ -7036.		29
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ -7083.		30
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ -7726.		31
51	2 B10B	\$ 35297.	\$ 65662.	\$ -7936.		32
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -8017.		33
52	2 B10C	\$ 16078.	\$ 82415.	\$ -8296.		34
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ -9104.		35
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ -9104.		36
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -9433.		37
27	2 B 4C	\$ 0.	\$ 127343.	\$ -9882.		38
23	2 B 3C	\$ 0.	\$ 127483.	\$ -9944.		39
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -10724.		40
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ -10847.		41
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -10877.		42
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ -13321.		43
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -13457.		44
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -13458.		45
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ -13662.		46
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ -13873.		47
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -14950.		48

RANK ORDER: BENEFIT MINUS COST (Cont'd)
PACIFIC WITHOUT SAR

SER	SALTI	BENEFITS	COST	BENEFIT MINUS COST	RO
79	3 B 6CS	\$ 77433	\$ 119096	\$ -14991	49
22	2 B 3B	\$ 38224	\$ 94211	\$ -18012	50
26	2 B 4B	\$ 38000	\$ 97356	\$ -19505	51
89	3 B 7A	\$ 51439	\$ 125766	\$ -24702	52
91	3 B 8A	\$ 51378	\$ 127456	\$ -25388	53
2	1 B 1B	\$ 38650	\$ 112181	\$ -25653	54
16	2 B 1B	\$ 38479	\$ 112220	\$ -25805	55
70	3 B 5DD	\$ 73071	\$ 139279	\$ -26598	56
41	2 B 7BS	\$ 36867	\$ 109193	\$ -26733	57
74	3 B 5FD	\$ 76578	\$ 147180	\$ -28284	58
76	3 B 5GD	\$ 76578	\$ 147180	\$ -28284	59
82	3 B 6DD	\$ 67339	\$ 179343	\$ -28334	60
94	3 B 9A	\$ 51427	\$ 135219	\$ -28905	61
72	3 B 5ED	\$ 75175	\$ 147555	\$ -28974	62
86	3 B 6FD	\$ 70230	\$ 147911	\$ -30355	63
88	3 B 6GD	\$ 70230	\$ 147911	\$ -30355	64
8	1 B 2CD	\$ 38916	\$ 120784	\$ -31568	65
84	3 B 6ED	\$ 69315	\$ 153050	\$ -32099	66
47	2 B 9A	\$ 25505	\$ 122240	\$ -33346	67
11	1 B 3A	\$ 25873	\$ 125035	\$ -34317	68
68	3 B 5CD	\$ 77927	\$ 164849	\$ -34913	69
45	2 B 8A	\$ 25566	\$ 125766	\$ -34979	70
40	2 B 7AD	\$ 33443	\$ 123371	\$ -35990	71
80	3 B 6CD	\$ 77433	\$ 166911	\$ -36242	72
10	1 B 2DD	\$ 36904	\$ 128782	\$ -36475	73
50	2 B 10A	\$ 25554	\$ 130003	\$ -36864	74
56	3 B 1D	\$ 47623	\$ 156889	\$ -38563	75
58	3 B 2B	\$ 47503	\$ 157043	\$ -38611	76
61	3 B 3C	\$ 47264	\$ 157762	\$ -39217	77
64	3 B 4C	\$ 46905	\$ 160639	\$ -40541	78
44	2 B 7CD	\$ 36867	\$ 146796	\$ -43446	79
20	2 B 2B	\$ 23572	\$ 148664	\$ -44465	80
24	2 B 3D	\$ 23333	\$ 149322	\$ -45045	81
28	2 B 4D	\$ 22974	\$ 152199	\$ -46369	82
42	2 B 7BD	\$ 36867	\$ 157007	\$ -47984	83
4	1 B 1D	\$ 23931	\$ 156729	\$ -48045	84
18	2 B 1D	\$ 23692	\$ 156889	\$ -48141	85
55	3 B 1C	\$ 13645	\$ 256103	\$ -92942	86
3	1 B 1C	\$ 6857	\$ 256100	\$ -95703	87
17	2 B 1C	\$ 6788	\$ 256103	\$ -95731	88
53	3 B 1A	\$ 52597	\$ 608288	\$ -219638	89
57	3 B 2A	\$ 52595	\$ 609130	\$ -220007	90
59	3 B 3A	\$ 52595	\$ 610070	\$ -220425	91
62	3 B 4A	\$ 52595	\$ 618563	\$ -224200	92
21	2 B 3A	\$ 26296	\$ 604854	\$ -228803	93
1	1 B 1A	\$ 26298	\$ 608288	\$ -230334	94
15	2 B 1A	\$ 26298	\$ 608288	\$ -230334	95
19	2 B 2A	\$ 26297	\$ 609130	\$ -230703	96
25	2 B 4A	\$ 26296	\$ 613347	\$ -232577	97

RANK ORDER: BENEFIT COST RATIO						
COMMERCIAL ATLANTIC						
SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
69	3 B 5DS	\$ 73071.	\$ 91470.		7.0658	1
70	3 B 5DD	\$ 73071.	\$ 139279.		7.0658	2
81	3 B 6DS	\$ 67339.	\$ 131528.		6.6488	3
82	3 B 6DD	\$ 67339.	\$ 179343.		6.6488	4
97	3 B10AS	\$ 76309.	\$ 54112.		6.0264	5
65	3 B 5A	\$ 46747.	\$ 84740.		5.4328	6
77	3 B 6A	\$ 46747.	\$ 170955.		5.4328	7
33	2 B 5E	\$ 36620.	\$ 28236.		4.0749	8
29	2 B 5A	\$ 34918.	\$ 28376.		3.8856	9
31	2 B 5C	\$ 34918.	\$ 28539.		3.8856	10
73	3 B 5FS	\$ 76578.	\$ 99371.		3.8758	11
74	3 B 5FD	\$ 76578.	\$ 147180.		3.8758	12
75	3 B 5GS	\$ 76578.	\$ 99371.		3.8758	13
76	3 B 5GD	\$ 76578.	\$ 147180.		3.8758	14
71	3 B 5ES	\$ 75175.	\$ 99746.		3.8218	15
72	3 B 5ED	\$ 75175.	\$ 147555.		3.8218	16
85	3 B 6FS	\$ 70230.	\$ 100096.		3.6313	17
86	3 B 6FD	\$ 70230.	\$ 147911.		3.6313	18
87	3 B 6GS	\$ 70230.	\$ 100096.		3.6313	19
88	3 B 6GD	\$ 70230.	\$ 147911.		3.6313	20
83	3 B 6ES	\$ 69315.	\$ 105235.		3.5961	21
84	3 B 6ED	\$ 69315.	\$ 153050.		3.5961	22
66	3 B 5B	\$ 60699.	\$ 86545.		3.5444	23
78	3 B 6B	\$ 58539.	\$ 94477.		3.4228	24
7	1 B 2CS	\$ 38916.	\$ 51394.		3.0576	25
8	1 B 2CD	\$ 38916.	\$ 120784.		3.0576	26
6	1 B 2B	\$ 26984.	\$ 80327.		3.0508	27
9	1 B 2DS	\$ 36904.	\$ 77926.		3.0485	28
10	1 B 2DD	\$ 36904.	\$ 128782.		3.0485	29
32	2 B 5D	\$ 33933.	\$ 30879.		3.0466	30
39	2 B 7AS	\$ 33443.	\$ 55566.		3.0073	31
40	2 B 7AD	\$ 33443.	\$ 123371.		3.0073	32
38	2 B 6E	\$ 23899.	\$ 62998.		2.6594	33
37	2 B 6D	\$ 28255.	\$ 69197.		2.6511	34
34	2 B 6A	\$ 22789.	\$ 73472.		2.5358	35
36	2 B 6C	\$ 22789.	\$ 70671.		2.5358	36
5	1 B 2A	\$ 33882.	\$ 62814.		1.9959	37
67	3 B 5CS	\$ 77927.	\$ 117034.		1.8581	38
68	3 B 5CD	\$ 77927.	\$ 164849.		1.8581	39
79	3 B 6CS	\$ 77433.	\$ 119096.		1.8516	40
80	3 B 6CD	\$ 77433.	\$ 166911.		1.8516	41
92	3 B 8B	\$ 73108.	\$ 82035.		1.7511	42
95	3 B 9B	\$ 72369.	\$ 89002.		1.7359	43
30	2 B 5B	\$ 30084.	\$ 49869.		1.7188	44
35	2 B 6B	\$ 27395.	\$ 60298.		1.5713	45
93	3 B 8C	\$ 36270.	\$ 83258.		1.3000	46
96	3 B 9C	\$ 34774.	\$ 90855.		1.2464	47
90	3 B 7B	\$ 30848.	\$ 110593.		1.1056	48

RANK ORDER: BENEFIT COST RATIO(Cont'd)
COMMERCIAL ATLANTIC

SER	SALTTI	BENEFITS	COST	BENEFIT COST	RATIO	RO
41	2 B 7BS	\$ 36867.	\$ 109193.		1.0151	49
42	2 B 7BD	\$ 36867.	\$ 157007.		1.0151	50
43	2 B 7CS	\$ 36867.	\$ 79015.		1.0151	51
44	2 B 7CD	\$ 36867.	\$ 146796.		1.0151	52
54	3 B 1B	\$ 77129.	\$ 112220.		0.9961	53
60	3 B 3B	\$ 76874.	\$ 117551.		0.9950	54
63	3 B 4B	\$ 76650.	\$ 120696.		0.9939	55
12	1 B 3B	\$ 37073.	\$ 79668.		0.8843	56
48	2 B 9B	\$ 36036.	\$ 58695.		0.8667	57
51	2 B10B	\$ 35297.	\$ 65662.		0.8515	58
14	1 B 4A	\$ 39184.	\$ 78293.		0.6726	59
13	1 B 3C	\$ 18696.	\$ 76797.		0.6701	60
49	2 B 9C	\$ 17574.	\$ 74817.		0.6299	61
52	2 B10C	\$ 16078.	\$ 82415.		0.5763	62
89	3 B 7A	\$ 51439.	\$ 125766.		0.5011	63
91	3 B 8A	\$ 51378.	\$ 127456.		0.5011	64
94	3 B 9A	\$ 51427.	\$ 135219.		0.5011	65
2	1 B 1B	\$ 38650.	\$ 112181.		0.4983	66
16	2 B 1B	\$ 38479.	\$ 112220.		0.4978	67
22	2 B 3B	\$ 38224.	\$ 94211.		0.4967	68
26	2 B 4B	\$ 38000.	\$ 97356.		0.4956	69
46	2 B 8B	\$ 12152.	\$ 102214.		0.4356	70
56	3 B 1D	\$ 47623.	\$ 156889.		0.3602	71
58	3 B 2B	\$ 47503.	\$ 157043.		0.3593	72
61	3 B 3C	\$ 47264.	\$ 157762.		0.3575	73
64	3 B 4C	\$ 46905.	\$ 160639.		0.3548	74
11	1 B 3A	\$ 25873.	\$ 125035.		0.2507	75
45	2 B 8A	\$ 25566.	\$ 125766.		0.2505	76
47	2 B 9A	\$ 25505.	\$ 122240.		0.2504	77
50	2 B10A	\$ 25554.	\$ 130003.		0.2504	78
4	1 B 1D	\$ 23931.	\$ 156729.		0.1810	79
18	2 B 1D	\$ 23692.	\$ 156889.		0.1792	80
20	2 B 2B	\$ 23572.	\$ 148664.		0.1783	81
24	2 B 3D	\$ 23333.	\$ 149322.		0.1765	82
28	2 B 4D	\$ 22974.	\$ 152199.		0.1738	83
53	3 B 1A	\$ 52597.	\$ 608288.		0.0888	84
57	3 B 2A	\$ 52595.	\$ 609130.		0.0888	85
59	3 B 3A	\$ 52595.	\$ 610070.		0.0888	86
62	3 B 4A	\$ 52595.	\$ 618563.		0.0888	87
55	3 B 1C	\$ 13645.	\$ 256103.		0.0559	88
1	1 B 1A	\$ 26298.	\$ 608288.		0.0444	89
15	2 B 1A	\$ 26298.	\$ 608288.		0.0444	90
19	2 B 2A	\$ 26297.	\$ 609130.		0.0444	91
21	2 B 3A	\$ 26296.	\$ 604854.		0.0444	92
25	2 B 4A	\$ 26296.	\$ 613347.		0.0444	93
3	1 B 1C	\$ 6857.	\$ 256100.		0.0281	94
17	2 B 1C	\$ 6788.	\$ 256103.		0.0278	95
23	2 B 3C	\$ 0.	\$ 127483.		0.0000	96
27	2 B 4C	\$ 0.	\$ 127343.		0.0000	97

RANK ORDER: BENEFIT MINUS COST						
COMMERCIAL ATLANTIC						
SER	SALITI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B10AS	\$ 76309.	\$ 54112.	\$ 25481.		1
69	3 B SDS	\$ 73071.	\$ 91470.	\$ 25377.		2
70	3 B SDD	\$ 73071.	\$ 139279.	\$ 25377.		3
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ 23632.		4
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ 23632.		5
73	3 B SFS	\$ 76578.	\$ 99371.	\$ 22725.		6
74	3 B SFD	\$ 76578.	\$ 147180.	\$ 22725.		7
75	3 B SGS	\$ 76578.	\$ 99371.	\$ 22725.		8
76	3 B SGD	\$ 76578.	\$ 147180.	\$ 22725.		9
71	3 B SES	\$ 75175.	\$ 99746.	\$ 22298.		10
72	3 B SED	\$ 75175.	\$ 147555.	\$ 22298.		11
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ 20794.		12
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ 20794.		13
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ 20794.		14
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ 20794.		15
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ 20515.		16
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ 20515.		17
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 18058.		18
65	3 B 5A	\$ 46747.	\$ 84740.	\$ 17977.		19
77	3 B 6A	\$ 46747.	\$ 170955.	\$ 17977.		20
78	3 B 6B	\$ 58539.	\$ 94477.	\$ 17195.		21
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ 14359.		22
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ 14359.		23
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ 14251.		24
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ 14251.		25
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 12998.		26
95	3 B 9B	\$ 72369.	\$ 89002.	\$ 12736.		27
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 10974.		28
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ 10430.		29
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ 10430.		30
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 10298.		31
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 10298.		32
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ 9848.		33
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ 9848.		34
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 9338.		35
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ 9158.		36
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ 9158.		37
6	1 B 2B	\$ 26984.	\$ 80327.	\$ 8317.		38
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 7533.		39
5	1 B 2A	\$ 33882.	\$ 62814.	\$ 7068.		40
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 5922.		41
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 5481.		42
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 5481.		43
93	3 B 8C	\$ 36270.	\$ 83258.	\$ 5418.		44
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 5101.		45
96	3 B 9C	\$ 34774.	\$ 90855.	\$ 4450.		46
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 4055.		47
90	3 B 7B	\$ 30848.	\$ 110593.	\$ 1908.		48

RANK ORDER: BENEFIT MINUS COST (Cont'd)						
COMMERCIAL ATLANTIC						
SER	SALTI	BENEFITS	COST	BENEFIT MINUS COST	RO	
41	2 B 7BS	\$ 36867.	\$ 109193.	\$ 218.	49	
42	2 B 7BD	\$ 36867.	\$ 157007.	\$ 218.	50	
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ 218.	51	
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ 218.	52	
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -121.	53	
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -155.	54	
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -190.	55	
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -2002.	56	
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -2307.	57	
51	2 B10B	\$ 35297.	\$ 65662.	\$ -2569.	58	
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -5959.	59	
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -6686.	60	
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -7595.	61	
52	2 B10C	\$ 16078.	\$ 82415.	\$ -7654.	62	
23	2 B 3C	\$ 0.	\$ 127483.	\$ -8337.	63	
27	2 B 4C	\$ 0.	\$ 127343.	\$ -8337.	64	
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -10196.	65	
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -15682.	66	
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -15699.	67	
22	2 B 3B	\$ 38224.	\$ 94211.	\$ -15733.	68	
26	2 B 4B	\$ 38000.	\$ 97356.	\$ -15769.	69	
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -31038.	70	
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -31039.	71	
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -31042.	72	
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -46621.	73	
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -46634.	74	
50	2 B10A	\$ 25554.	\$ 130003.	\$ -46635.	75	
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -46638.	76	
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -50723.	77	
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -50795.	78	
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -50938.	79	
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -51153.	80	
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -64932.	81	
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -65075.	82	
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -65147.	83	
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -65291.	84	
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -65506.	85	
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -136778.	86	
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -140806.	87	
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -140846.	88	
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -320105.	89	
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -320105.	90	
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -320105.	91	
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -320105.	92	
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -335708.	93	
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -335708.	94	
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -335708.	95	
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -335708.	96	
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -335708.	97	

		RANK ORDER: BENEFIT COST		RATIO		
		COMMERCIAL		PACIFIC		
SER	SALTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
69	3 B 5DS	\$ 73071.	\$ 91470.	6.7682		1
70	3 B 5DD	\$ 73071.	\$ 139279.	6.7682		2
81	3 B 6DS	\$ 67339.	\$ 131528.	5.9987		3
82	3 B 6DD	\$ 67339.	\$ 179343.	5.9987		4
97	3 B10AS	\$ 76309.	\$ 54112.	5.9427		5
33	2 B 5E	\$ 36620	\$ 28236.	4.1110		6
29	2 B 5A	\$ 34918.	\$ 28376.	3.9199		7
31	2 B 5C	\$ 34918.	\$ 28539.	3.9199		8
73	3 B 5FS	\$ 76578.	\$ 99371.	3.8325		9
74	3 B 5FD	\$ 76578.	\$ 147180.	3.8325		10
75	3 B 5GS	\$ 76578.	\$ 99371.	3.8325		11
76	3 B 5GD	\$ 76578.	\$ 147180.	3.8325		12
71	3 B 5ES	\$ 75175.	\$ 99746.	3.7328		13
72	3 B 5ED	\$ 75175.	\$ 147555.	3.7328		14
85	3 B 6FS	\$ 70230.	\$ 100096.	3.3813		15
86	3 B 6FD	\$ 70230.	\$ 147911.	3.3813		16
87	3 B 6GS	\$ 70230.	\$ 100096.	3.3813		17
88	3 B 6GD	\$ 70230.	\$ 147911.	3.3813		18
83	3 B 6ES	\$ 69315.	\$ 105235.	3.3162		19
84	3 B 6ED	\$ 69315.	\$ 153050.	3.3162		20
9	1 B 2DS	\$ 36904.	\$ 77926.	3.0755		21
10	1 B 2DD	\$ 36904.	\$ 128782.	3.0755		22
65	3 B 5A	\$ 46747.	\$ 84740.	3.0608		23
77	3 B 6A	\$ 46747.	\$ 170955.	3.0608		24
7	1 B 2CS	\$ 38916.	\$ 51394.	3.0595		25
8	1 B 2CD	\$ 38916.	\$ 120784.	3.0595		26
32	2 B 5D	\$ 33933.	\$ 30879.	2.8192		27
39	2 B 7AS	\$ 33443.	\$ 55566.	2.7707		28
40	2 B 7AD	\$ 33443.	\$ 123371.	2.7707		29
38	2 B 6E	\$ 23899.	\$ 62998.	2.6829		30
34	2 B 6A	\$ 22789.	\$ 73472.	2.5583		31
36	2 B 6C	\$ 22789.	\$ 70671.	2.5583		32
66	3 B 5B	\$ 60699.	\$ 86545.	2.4245		33
78	3 B 6B	\$ 58539.	\$ 94477.	2.2792		34
37	2 B 6D	\$ 28255.	\$ 69197.	2.1504		35
6	1 B 2B	\$ 26984.	\$ 80327.	1.8841		36
67	3 B 5CS	\$ 77927.	\$ 117034.	1.8387		37
68	3 B 5CD	\$ 77927.	\$ 164849.	1.8387		38
79	3 B 6CS	\$ 77433.	\$ 119096.	1.8087		39
80	3 B 6CD	\$ 77433.	\$ 166911.	1.8087		40
5	1 B 2A	\$ 33882.	\$ 62814.	1.4935		41
92	3 B 8B	\$ 73108.	\$ 82037.	1.4687		42
95	3 B 9B	\$ 72369.	\$ 89002.	1.4338		43
30	2 B 5B	\$ 30084.	\$ 49869.	1.2681		44
35	2 B 6B	\$ 27395.	\$ 60298.	1.0537		45
93	3 B 8C	\$ 36270.	\$ 83258.	1.0419		46
41	2 B 7BS	\$ 36867.	\$ 109193.	1.0241		47
42	2 B 7BD	\$ 36867.	\$ 157007.	1.0241		48

RANK ORDER: BENEFIT COST RATIO (Cont'd)
COMMERCIAL PACIFIC

SER	SALTTI	BENEFITS	COST	BENEFIT COST	RATIO	RO
43	2 B 7CS	\$ 36867	\$ 79015	1.0241		49
44	2 B 7CD	\$ 36867	\$ 146796	1.0241		50
96	3 B 9C	\$ 34774	\$ 90855	0.9989		51
54	3 B 1B	\$ 77129	\$ 112220	0.9482		52
60	3 B 3B	\$ 76874	\$ 117551	0.9388		53
63	3 B 4B	\$ 76650	\$ 120696	0.9307		54
90	3 B 7B	\$ 30848	\$ 110593	0.8861		55
12	1 B 3B	\$ 37073	\$ 79668	0.7619		56
48	2 B 9B	\$ 36036	\$ 58695	0.7068		57
14	1 B 4A	\$ 39184	\$ 78293	0.6734		58
51	2 B10B	\$ 35297	\$ 65662	0.6719		59
13	1 B 3C	\$ 18696	\$ 76797	0.5371		60
49	2 B 9C	\$ 17574	\$ 74817	0.5048		61
89	3 B 7A	\$ 51439	\$ 125766	0.4792		62
94	3 B 9A	\$ 51427	\$ 135219	0.4790		63
91	3 B 8A	\$ 51378	\$ 127456	0.4779		64
2	1 B 1B	\$ 38650	\$ 112181	0.4774		65
16	2 B 1B	\$ 38479	\$ 112220	0.4708		66
52	2 B10C	\$ 16078	\$ 82415	0.4619		67
22	2 B 3B	\$ 38224	\$ 94211	0.4614		68
26	2 B 4B	\$ 38000	\$ 97356	0.4533		69
56	3 B 1D	\$ 47623	\$ 156889	0.3538		70
58	3 B 2B	\$ 47503	\$ 157043	0.3529		71
61	3 B 3C	\$ 47264	\$ 157762	0.3512		72
46	2 B 8B	\$ 12152	\$ 102214	0.3491		73
64	3 B 4C	\$ 46905	\$ 160639	0.3485		74
11	1 B 3A	\$ 25873	\$ 125035	0.2431		75
45	2 B 8A	\$ 25566	\$ 125766	0.2361		76
50	2 B10A	\$ 25554	\$ 130003	0.2359		77
47	2 B 9A	\$ 25505	\$ 122240	0.2348		78
4	1 B 1D	\$ 23931	\$ 156729	0.1778		79
18	2 B 1D	\$ 23692	\$ 156889	0.1760		80
20	2 B 2B	\$ 23572	\$ 148664	0.1751		81
24	2 B 3D	\$ 23333	\$ 149322	0.1734		82
28	2 B 4D	\$ 22974	\$ 152199	0.1707		83
53	3 B 1A	\$ 52597	\$ 608288	0.0896		84
57	3 B 2A	\$ 52595	\$ 609130	0.0896		85
59	3 B 3A	\$ 52595	\$ 610070	0.0896		86
62	3 B 4A	\$ 52595	\$ 618563	0.0896		87
55	3 B 1C	\$ 13645	\$ 256103	0.0564		88
1	1 B 1A	\$ 26298	\$ 608288	0.0448		89
15	2 B 1A	\$ 26298	\$ 608288	0.0448		90
19	2 B 2A	\$ 26297	\$ 609130	0.0448		91
21	2 B 3A	\$ 26296	\$ 604854	0.0448		92
25	2 B 4A	\$ 26296	\$ 613347	0.0448		93
3	1 B 1C	\$ 6857	\$ 256100	0.0283		94
17	2 B 1C	\$ 6788	\$ 256103	0.0280		95
23	2 B 3C	\$ 0	\$ 127483	0.0000		96
27	2 B 4C	\$ 0	\$ 127343	0.0000		97

156

RANK ORDER: BENEFIT MINUS COST						
COMMERCIAL PACIFIC						
SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B10AS	\$ 76309	\$ 54112	\$ 17025		1
69	3 B 5DS	\$ 73071	\$ 91470	\$ 16397		2
70	3 B 5DD	\$ 73071	\$ 139279	\$ 16397		3
73	3 B 5FS	\$ 76578	\$ 99371	\$ 15209		4
74	3 B 5FD	\$ 76578	\$ 147180	\$ 15209		5
75	3 B 5GS	\$ 76578	\$ 99371	\$ 15209		6
76	3 B 5GD	\$ 76578	\$ 147180	\$ 15209		7
71	3 B 5ES	\$ 75175	\$ 99746	\$ 14674		8
72	3 B 5ED	\$ 75175	\$ 147555	\$ 14674		9
81	3 B 6DS	\$ 67339	\$ 131528	\$ 14210		10
82	3 B 6DD	\$ 67339	\$ 179343	\$ 14210		11
85	3 B 6FS	\$ 70230	\$ 100096	\$ 12786		12
86	3 B 6FD	\$ 70230	\$ 147911	\$ 12786		13
87	3 B 6GS	\$ 70230	\$ 100096	\$ 12786		14
88	3 B 6GD	\$ 70230	\$ 147911	\$ 12786		15
83	3 B 6ES	\$ 69315	\$ 105235	\$ 12437		16
84	3 B 6ED	\$ 69315	\$ 153050	\$ 12437		17
67	3 B 5CS	\$ 77927	\$ 117034	\$ 9537		18
68	3 B 5CD	\$ 77927	\$ 164849	\$ 9537		19
79	3 B 6CS	\$ 77433	\$ 119096	\$ 9196		20
80	3 B 6CD	\$ 77433	\$ 166911	\$ 9196		21
33	2 B 5E	\$ 36620	\$ 28236	\$ 7544		22
7	1 B 2CS	\$ 38916	\$ 51394	\$ 7094		23
8	1 B 2CD	\$ 38916	\$ 120784	\$ 7094		24
29	2 B 5A	\$ 34918	\$ 28376	\$ 7081		25
31	2 B 5C	\$ 34918	\$ 28539	\$ 7081		26
66	3 B 5B	\$ 60699	\$ 86545	\$ 6869		27
9	1 B 2DS	\$ 36904	\$ 77926	\$ 6780		28
10	1 B 2DD	\$ 36904	\$ 128782	\$ 6780		29
78	3 B 6B	\$ 58539	\$ 94477	\$ 6169		30
65	3 B 5A	\$ 46747	\$ 84740	\$ 5679		31
77	3 B 6A	\$ 46747	\$ 170955	\$ 5679		32
32	2 B 5D	\$ 33933	\$ 30879	\$ 5640		33
92	3 B 8B	\$ 73108	\$ 82035	\$ 5512		34
39	2 B 7AS	\$ 33443	\$ 55566	\$ 5489		35
40	2 B 7AD	\$ 33443	\$ 123371	\$ 5489		36
95	3 B 9B	\$ 72369	\$ 89002	\$ 5102		37
38	2 B 6E	\$ 23899	\$ 62998	\$ 4081		38
34	2 B 6A	\$ 22789	\$ 73472	\$ 3779		39
36	2 B 6C	\$ 22789	\$ 70671	\$ 3779		40
37	2 B 6D	\$ 28255	\$ 69197	\$ 3566		41
6	1 B 2B	\$ 26984	\$ 80327	\$ 2436		42
5	1 B 2A	\$ 33882	\$ 62814	\$ 2380		43
30	2 B 5B	\$ 30084	\$ 49869	\$ 1293		44
93	3 B 8C	\$ 36270	\$ 83258	\$ 514		45
35	2 B 6B	\$ 27395	\$ 60298	\$ 259		46
41	2 B 7BS	\$ 36867	\$ 109193	\$ 236		47
42	2 B 7BD	\$ 36867	\$ 157007	\$ 236		48

RANK ORDER: BENEFIT MINUS COST (Cont'd)
COMMERCIAL PACIFIC

SER	SALTTI	BENEFITS	COST	BENEFIT MINUS COST	RO
43	2 B 7CS	\$ 36867.	\$ 79015.	\$ 236.	49
44	2 B 7CD	\$ 36867.	\$ 146796.	\$ 236.	50
96	3 B 9C	\$ 34774.	\$ 90855.	\$ -13.	51
54	3 B 1B	\$ 77129.	\$ 112220.	\$ -1099.	52
60	3 B 3B	\$ 76874.	\$ 117551.	\$ -1300.	53
90	3 B 7B	\$ 30848.	\$ 110593.	\$ -1398.	54
63	3 B 4B	\$ 76650.	\$ 120696.	\$ -1471.	55
12	1 B 3B	\$ 37073.	\$ 79668.	\$ -2800.	56
48	2 B 9B	\$ 36036.	\$ 58695.	\$ -3447.	57
51	2 B10B	\$ 35297.	\$ 65662.	\$ -3858.	58
14	1 B 4A	\$ 39184.	\$ 78293.	\$ -5148.	59
23	2 B 3C	\$ 0.	\$ 127483.	\$ -5665.	60
27	2 B 4C	\$ 0.	\$ 127343.	\$ -5665.	61
13	1 B 3C	\$ 18696.	\$ 76797.	\$ -5682.	62
49	2 B 9C	\$ 17574.	\$ 74817.	\$ -6078.	63
52	2 B10C	\$ 16078.	\$ 82415.	\$ -6605.	64
46	2 B 8B	\$ 12152.	\$ 102214.	\$ -7989.	65
2	1 B 1B	\$ 38650.	\$ 112181.	\$ -11100.	66
16	2 B 1B	\$ 38479.	\$ 112220.	\$ -11240.	67
22	2 B 3B	\$ 38224.	\$ 94211.	\$ -11441.	68
26	2 B 4B	\$ 38000.	\$ 97356.	\$ -11612.	69
89	3 B 7A	\$ 51439.	\$ 125766.	\$ -22016.	70
94	3 B 9A	\$ 51427.	\$ 135219.	\$ -22027.	71
91	3 B 8A	\$ 51378.	\$ 127456.	\$ -22073.	72
11	1 B 3A	\$ 25873.	\$ 125035.	\$ -31999.	73
45	2 B 8A	\$ 25566.	\$ 125766.	\$ -32293.	74
50	2 B10A	\$ 25554.	\$ 130003.	\$ -32304.	75
47	2 B 9A	\$ 25505.	\$ 122240.	\$ -32350.	76
56	3 B 1D	\$ 47623.	\$ 156889.	\$ -34811.	77
58	3 B 2B	\$ 47503.	\$ 157043.	\$ -34859.	78
61	3 B 3C	\$ 47264.	\$ 157762.	\$ -34955.	79
64	3 B 4C	\$ 46905.	\$ 160639.	\$ -35099.	80
4	1 B 1D	\$ 23931.	\$ 156729.	\$ -44294.	81
18	2 B 1D	\$ 23692.	\$ 156889.	\$ -44390.	82
20	2 B 2B	\$ 23572.	\$ 148664.	\$ -44438.	83
24	2 B 3D	\$ 23333.	\$ 149322.	\$ -44534.	84
28	2 B 4D	\$ 22974.	\$ 152199.	\$ -44677.	85
55	3 B 1C	\$ 13645.	\$ 256103.	\$ -92890.	86
3	1 B 1C	\$ 6857.	\$ 256100.	\$ -95651.	87
17	2 B 1C	\$ 6788.	\$ 256103.	\$ -95679.	88
53	3 B 1A	\$ 52597.	\$ 608288.	\$ -217320.	89
57	3 B 2A	\$ 52595.	\$ 609130.	\$ -217321.	90
59	3 B 3A	\$ 52595.	\$ 610070.	\$ -217322.	91
62	3 B 4A	\$ 52595.	\$ 618563.	\$ -217322.	92
1	1 B 1A	\$ 26298.	\$ 608288.	\$ -228015.	93
15	2 B 1A	\$ 26298.	\$ 608288.	\$ -228015.	94
19	2 B 2A	\$ 26297.	\$ 609130.	\$ -228017.	95
21	2 B 3A	\$ 26296.	\$ 604854.	\$ -228017.	96
25	2 B 4A	\$ 26296.	\$ 613347.	\$ -228017.	97

156

		RANK ORDER: BENEFIT COST		RATIO		
		FISHING ATLANTIC				
SER	SALTTI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
69	3 B 5DS	\$ 73071.	\$ 91470.	8.1575		1
70	3 B 5DD	\$ 73071.	\$ 139279.	8.1575		2
81	3 B 6DS	\$ 67339.	\$ 131528.	7.6975		3
82	3 B 6DD	\$ 67339.	\$ 179343.	7.6975		4
97	3 B10AS	\$ 76309.	\$ 54112.	6.9478		5
65	3 B 5A	\$ 46747.	\$ 84740.	6.4101		6
77	3 B 6A	\$ 46747.	\$ 170955.	6.4101		7
66	3 B 5B	\$ 60699.	\$ 86545.	4.9203		8
78	3 B 6B	\$ 58539.	\$ 94477.	4.8587		9
33	2 B 5E	\$ 36620.	\$ 28236.	4.6920		10
29	2 B 5A	\$ 34918.	\$ 28376.	4.4740		11
31	2 B 5C	\$ 34918.	\$ 28539.	4.4740		12
73	3 B 5FS	\$ 76578.	\$ 99371.	4.4677		13
74	3 B 5FD	\$ 76578.	\$ 147180.	4.4677		14
75	3 B 5GS	\$ 76578.	\$ 99371.	4.4677		15
76	3 B 5GD	\$ 76578.	\$ 147180.	4.4677		16
71	3 B 5ES	\$ 75175.	\$ 99746.	4.4081		17
72	3 B 5ED	\$ 75175.	\$ 147555.	4.4081		18
85	3 B 6FS	\$ 70230.	\$ 100096.	4.1980		19
86	3 B 6FD	\$ 70230.	\$ 147911.	4.1980		20
87	3 B 6GS	\$ 70230.	\$ 100096.	4.1980		21
88	3 B 6GD	\$ 70230.	\$ 147911.	4.1980		22
83	3 B 6ES	\$ 69315.	\$ 105235.	4.1591		23
84	3 B 6ED	\$ 69315.	\$ 153050.	4.1591		24
6	1 B 2B	\$ 26984.	\$ 80327.	3.5969		25
32	2 B 5D	\$ 33933.	\$ 30879.	3.5247		26
7	1 B 2CS	\$ 38916.	\$ 51394.	3.5219		27
8	1 B 2CD	\$ 38916.	\$ 120784.	3.5219		28
9	1 B 2DS	\$ 36904.	\$ 77926.	3.5102		29
10	1 B 2DD	\$ 36904.	\$ 128782.	3.5102		30
39	2 B 7AS	\$ 33443.	\$ 55566.	3.4807		31
40	2 B 7AD	\$ 33443.	\$ 123371.	3.4807		32
37	2 B 6D	\$ 28255.	\$ 69197.	3.0869		33
38	2 B 6E	\$ 23899.	\$ 62998.	3.0622		34
34	2 B 6A	\$ 22789.	\$ 73472.	2.9199		35
36	2 B 6C	\$ 22789.	\$ 70671.	2.9199		36
5	1 B 2A	\$ 33882.	\$ 62814.	2.5116		37
30	2 B 5B	\$ 30084.	\$ 49869.	2.4408		38
35	2 B 6B	\$ 27395.	\$ 60298.	2.3815		39
67	3 B 5CS	\$ 77927.	\$ 117034.	2.1467		40
68	3 B 5CD	\$ 77927.	\$ 164849.	2.1467		41
79	3 B 6CS	\$ 77433.	\$ 119096.	2.1460		42
80	3 B 6CD	\$ 77433.	\$ 166911.	2.1460		43
92	3 B 8B	\$ 73108.	\$ 82035.	2.0721		44
95	3 B 9B	\$ 72369.	\$ 89002.	2.0706		45
41	2 B 7BS	\$ 36867.	\$ 109193.	1.1689		46
42	2 B 7BD	\$ 36867.	\$ 157007.	1.1689		47
43	2 B 7CS	\$ 36867.	\$ 79015.	1.1689		48

159

		RANK ORDER: BENEFIT COST		RATIO (Cont'd)		
		FISHING ATLANTIC				
SER	SALTTI	BENEFITS	COST	BENEFIT COST	RATIO	RO
44	2 B 7CD	\$ 36867.	\$ 146796.	1. 1689		49
54	3 B 1B	\$ 77129.	\$ 112220.	1. 1482		50
60	3 B 3B	\$ 76874.	\$ 117551.	1. 1481		51
63	3 B 4B	\$ 76650.	\$ 120696.	1. 1480		52
12	1 B 3B	\$ 37073.	\$ 79668.	1. 0368		53
48	2 B 9B	\$ 36036.	\$ 58695.	1. 0353		54
51	2 B10B	\$ 35297.	\$ 65662.	1. 0338		55
14	1 B 4A	\$ 39184.	\$ 78293.	0. 7745		56
2	1 B 1B	\$ 38650.	\$ 112181.	0. 5741		57
16	2 B 1B	\$ 38479.	\$ 112220.	0. 5741		58
22	2 B 3B	\$ 38224.	\$ 94211.	0. 5740		59
26	2 B 4B	\$ 38000.	\$ 97356.	0. 5739		60
1	1 B 1A	\$ 26298.	\$ 608288.	0. 0000		61
3	1 B 1C	\$ 6857.	\$ 256100.	0. 0000		62
4	1 B 1D	\$ 23931.	\$ 156729.	0. 0000		63
11	1 B 3A	\$ 25873.	\$ 125035.	0. 0000		64
13	1 B 3C	\$ 18696.	\$ 76797.	0. 0000		65
15	2 B 1A	\$ 26298.	\$ 608288.	0. 0000		66
17	2 B 1C	\$ 6788.	\$ 256103.	0. 0000		67
18	2 B 1D	\$ 23692.	\$ 156889.	0. 0000		68
19	2 B 2A	\$ 26297.	\$ 609130.	0. 0000		69
20	2 B 2B	\$ 23572.	\$ 148664.	0. 0000		70
21	2 B 3A	\$ 26296.	\$ 604854.	0. 0000		71
23	2 B 3C	\$ 0.	\$ 127483.	0. 0000		72
24	2 B 3D	\$ 23333.	\$ 149322.	0. 0000		73
25	2 B 4A	\$ 26296.	\$ 613347.	0. 0000		74
27	2 B 4C	\$ 0.	\$ 127343.	0. 0000		75
28	2 B 4D	\$ 22974.	\$ 152199.	0. 0000		76
45	2 B 8A	\$ 25566.	\$ 125766.	0. 0000		77
46	2 B 8B	\$ 12152.	\$ 102214.	0. 0000		78
47	2 B 9A	\$ 25505.	\$ 122240.	0. 0000		79
49	2 B 9C	\$ 17574.	\$ 74817.	0. 0000		80
50	2 B10A	\$ 25554.	\$ 130003.	0. 0000		81
52	2 B10C	\$ 16078.	\$ 82415.	0. 0000		82
53	3 B 1A	\$ 52597.	\$ 608288.	0. 0000		83
55	3 B 1C	\$ 13645.	\$ 256103.	0. 0000		84
56	3 B 1D	\$ 47623.	\$ 156889.	0. 0000		85
57	3 B 2A	\$ 52595.	\$ 609130.	0. 0000		86
58	3 B 2B	\$ 47503.	\$ 157043.	0. 0000		87
59	3 B 3A	\$ 52595.	\$ 610070.	0. 0000		88
61	3 B 3C	\$ 47264.	\$ 157762.	0. 0000		89
62	3 B 4A	\$ 52595.	\$ 618563.	0. 0000		90
64	3 B 4C	\$ 46905.	\$ 160639.	0. 0000		91
89	3 B 7A	\$ 51439.	\$ 125766.	0. 0000		92
90	3 B 7B	\$ 30848.	\$ 110593.	0. 0000		93
91	3 B 8A	\$ 51378.	\$ 127456.	0. 0000		94
93	3 B 8C	\$ 36270.	\$ 83258.	0. 0000		95
94	3 B 9A	\$ 51427.	\$ 135219.	0. 0000		96
96	3 B 9C	\$ 34774.	\$ 90855.	0. 0000		97

160

RANK ORDER: BENEFIT MINUS COST						
		FISHING		ATLANTIC		
SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B10AS	\$ 76309.	\$ 54112.	\$ 13668.		1
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ 13574.		2
70	3 B 5DD	\$ 73071.	\$ 139279.	\$ 13574.		3
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ 12701.		4
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ 12701.		5
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 12612.		6
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ 12422.		7
74	3 B 5FD	\$ 76578.	\$ 147180.	\$ 12422.		8
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ 12422.		9
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ 12422.		10
78	3 B 6B	\$ 58539.	\$ 94477.	\$ 12414.		11
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ 12208.		12
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ 12208.		13
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ 11456.		14
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ 11456.		15
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ 11456.		16
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ 11456.		17
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ 11316.		18
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ 11316.		19
65	3 B 5A	\$ 46747.	\$ 84740.	\$ 9946.		20
77	3 B 6A	\$ 46747.	\$ 170955.	\$ 9946.		21
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ 8698.		22
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ 8698.		23
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ 8694.		24
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ 8694.		25
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 8411.		26
95	3 B 9B	\$ 72369.	\$ 89002.	\$ 8399.		27
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 5973.		28
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ 5795.		29
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ 5795.		30
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 5620.		31
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 5620.		32
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ 5470.		33
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ 5470.		34
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 5222.		35
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ 5131.		36
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ 5131.		37
5	1 B 2A	\$ 33882.	\$ 62814.	\$ 4863.		38
6	1 B 2B	\$ 26984.	\$ 80327.	\$ 4774.		39
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 4635.		40
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 4445.		41
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 4316.		42
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 3336.		43
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 3106.		44
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 3106.		45
54	3 B 1B	\$ 77129.	\$ 112220.	\$ 2102.		46
60	3 B 3B	\$ 76874.	\$ 117551.	\$ 2100.		47
63	3 B 4B	\$ 76650.	\$ 120696.	\$ 2099.		48

RANK ORDER: BENEFIT MINUS COST (Cont'd)						
		FISHING		ATLANTIC		
SER	SALTTI	BENEFITS	COST	BENEFIT MINUS	COST	RO
41	2 B 7BS	\$ 36867.	\$ 109193.	\$	1104.	49
42	2 B 7BD	\$ 36867.	\$ 157007.	\$	1104.	50
43	2 B 7CS	\$ 36867.	\$ 79015.	\$	1104.	51
44	2 B 7CD	\$ 36867.	\$ 146796.	\$	1104.	52
12	1 B 3B	\$ 37073.	\$ 79668.	\$	289.	53
48	2 B 9B	\$ 36036.	\$ 58695.	\$	277.	54
51	2 B10B	\$ 35297.	\$ 65662.	\$	265.	55
1	1 B 1A	\$ 26298.	\$ 608288.	\$	0.	56
3	1 B 1C	\$ 6857.	\$ 256100.	\$	0.	57
4	1 B 1D	\$ 23931.	\$ 156729.	\$	0.	58
11	1 B 3A	\$ 25873.	\$ 125035.	\$	0.	59
13	1 B 3C	\$ 18696.	\$ 76797.	\$	0.	60
15	2 B 1A	\$ 26298.	\$ 608288.	\$	0.	61
17	2 B 1C	\$ 6788.	\$ 256103.	\$	0.	62
18	2 B 1D	\$ 23692.	\$ 156889.	\$	0.	63
19	2 B 2A	\$ 26297.	\$ 609130.	\$	0.	64
20	2 B 2B	\$ 23572.	\$ 148664.	\$	0.	65
21	2 B 3A	\$ 26296.	\$ 604854.	\$	0.	66
24	2 B 3D	\$ 23333.	\$ 149322.	\$	0.	67
25	2 B 4A	\$ 26296.	\$ 613347.	\$	0.	68
28	2 B 4D	\$ 22974.	\$ 152199.	\$	0.	69
45	2 B 8A	\$ 25566.	\$ 125766.	\$	0.	70
46	2 B 8B	\$ 12152.	\$ 102214.	\$	0.	71
47	2 B 9A	\$ 25505.	\$ 122240.	\$	0.	72
49	2 B 9C	\$ 17574.	\$ 74817.	\$	0.	73
50	2 B10A	\$ 25554.	\$ 130003.	\$	0.	74
52	2 B10C	\$ 16078.	\$ 82415.	\$	0.	75
53	3 B 1A	\$ 52597.	\$ 608288.	\$	0.	76
55	3 B 1C	\$ 13645.	\$ 256103.	\$	0.	77
56	3 B 1D	\$ 47623.	\$ 156889.	\$	0.	78
57	3 B 2A	\$ 52595.	\$ 609130.	\$	0.	79
58	3 B 2B	\$ 47503.	\$ 157043.	\$	0.	80
59	3 B 3A	\$ 52595.	\$ 610070.	\$	0.	81
61	3 B 3C	\$ 47264.	\$ 157762.	\$	0.	82
62	3 B 4A	\$ 52595.	\$ 618563.	\$	0.	83
64	3 B 4C	\$ 46905.	\$ 160639.	\$	0.	84
89	3 B 7A	\$ 51439.	\$ 125766.	\$	0.	85
90	3 B 7B	\$ 30848.	\$ 110593.	\$	0.	86
91	3 B 8A	\$ 51378.	\$ 127456.	\$	0.	87
93	3 B 8C	\$ 36270.	\$ 83258.	\$	0.	88
94	3 B 9A	\$ 51427.	\$ 135219.	\$	0.	89
96	3 B 9C	\$ 34774.	\$ 90855.	\$	0.	90
14	1 B 4A	\$ 39184.	\$ 78293.	\$	-2372.	91
23	2 B 3C	\$ 0.	\$ 127483.	\$	-3783.	92
27	2 B 4C	\$ 0.	\$ 127343.	\$	-3783.	93
2	1 B 1B	\$ 38650.	\$ 112181.	\$	-6041.	94
16	2 B 1B	\$ 38479.	\$ 112220.	\$	-6042.	95
22	2 B 3B	\$ 38224.	\$ 94211.	\$	-6043.	96
26	2 B 4B	\$ 38000.	\$ 97356.	\$	-6044.	97

		RANK ORDER: BENEFIT COST		RATIO		
		FISHING		PACIFIC		
SER	SALITI	BENEFITS	C O S T	BENEFIT COST	RATIO	RO
69	3 B 5DS	\$ 73071.	\$ 91470.		7.3403	1
70	3 B 5DD	\$ 73071.	\$ 139279.		7.3403	2
81	3 B 6DS	\$ 67339.	\$ 131528.		6.5669	3
82	3 B 6DD	\$ 67339.	\$ 179343.		6.5669	4
97	3 B 10AS	\$ 76309.	\$ 54112.		6.4181	5
33	2 B 5E	\$ 36620.	\$ 28236.		4.4174	6
29	2 B 5A	\$ 34918.	\$ 28376.		4.2122	7
31	2 B 5C	\$ 34918.	\$ 28539.		4.2122	8
73	3 B 5FS	\$ 76578.	\$ 99371.		4.1366	9
74	3 B 5FD	\$ 76578.	\$ 147180.		4.1366	10
75	3 B 5GS	\$ 76578.	\$ 99371.		4.1366	11
76	3 B 5GD	\$ 76578.	\$ 147180.		4.1366	12
71	3 B 5ES	\$ 75175.	\$ 99746.		4.0363	13
72	3 B 5ED	\$ 75175.	\$ 147555.		4.0363	14
66	3 B 5B	\$ 60699.	\$ 86545.		3.9448	15
65	3 B 5A	\$ 46747.	\$ 84740.		3.8682	16
77	3 B 6A	\$ 46747.	\$ 170955.		3.8682	17
78	3 B 6B	\$ 58539.	\$ 94477.		3.7491	18
85	3 B 6FS	\$ 70230.	\$ 100096.		3.6831	19
86	3 B 6FD	\$ 70230.	\$ 147911.		3.6831	20
87	3 B 6GS	\$ 70230.	\$ 100096.		3.6831	21
88	3 B 6GD	\$ 70230.	\$ 147911.		3.6831	22
83	3 B 6ES	\$ 69315.	\$ 105235.		3.6177	23
84	3 B 6ED	\$ 69315.	\$ 153050.		3.6177	24
9	1 B 2DS	\$ 36904.	\$ 77926.		3.3047	25
10	1 B 2DD	\$ 36904.	\$ 128782.		3.3047	26
7	1 B 2CS	\$ 38916.	\$ 51394.		3.2936	27
8	1 B 2CD	\$ 38916.	\$ 120784.		3.2936	28
32	2 B 5D	\$ 33933.	\$ 30879.		3.0619	29
39	2 B 7AS	\$ 33443.	\$ 55566.		3.0091	30
40	2 B 7AD	\$ 33443.	\$ 123371.		3.0091	31
38	2 B 6E	\$ 23899.	\$ 62998.		2.8829	32
34	2 B 6A	\$ 22789.	\$ 73472.		2.7490	33
36	2 B 6C	\$ 22789.	\$ 70671.		2.7490	34
6	1 B 2B	\$ 26984.	\$ 80327.		2.4156	35
37	2 B 6D	\$ 28255.	\$ 69197.		2.3777	36
5	1 B 2A	\$ 33882.	\$ 62814.		2.1805	37
67	3 B 5CS	\$ 77927.	\$ 117034.		2.0105	38
68	3 B 5CD	\$ 77927.	\$ 164849.		2.0105	39
79	3 B 6CS	\$ 77433.	\$ 119096.		2.0021	40
80	3 B 6CD	\$ 77433.	\$ 166911.		2.0021	41
30	2 B 5B	\$ 30084.	\$ 49869.		1.9264	42
92	3 B 8B	\$ 73108.	\$ 82035.		1.8703	43
95	3 B 9B	\$ 72369.	\$ 89002.		1.8594	44
35	2 B 6B	\$ 27395.	\$ 60298.		1.7210	45
41	2 B 7BS	\$ 36867.	\$ 109193.		1.1005	46
42	2 B 7BD	\$ 36867.	\$ 157007.		1.1005	47
43	2 B 7CS	\$ 36867.	\$ 79015.		1.1005	48

RANK ORDER: BENEFIT COST RATIO (Cont'd)
FISHING PACIFIC

SER	SALTTI	BENEFITS	COST	BENEFIT COST	RATIO	RO
44	2 B 7CD	\$ 36867.	\$ 146796.	1.1005		49
54	3 B 1B	\$ 77129.	\$ 112220.	1.0664		50
60	3 B 3B	\$ 76874.	\$ 117551.	1.0643		51
63	3 B 4B	\$ 76650.	\$ 120696.	1.0625		52
12	1 B 3B	\$ 37073.	\$ 79668.	0.9426		53
48	2 B 9B	\$ 36036.	\$ 58695.	0.9278		54
51	2 B10B	\$ 35297.	\$ 65662.	0.9168		55
14	1 B 4A	\$ 39184.	\$ 78293.	0.7255		56
2	1 B 1B	\$ 38650.	\$ 112181.	0.5339		57
16	2 B 1B	\$ 38479.	\$ 112220.	0.5325		58
22	2 B 3B	\$ 38224.	\$ 94211.	0.5304		59
26	2 B 4B	\$ 38000.	\$ 97356.	0.5286		60
1	1 B 1A	\$ 26298.	\$ 608288.	0.0000		61
3	1 B 1C	\$ 6857.	\$ 256100.	0.0000		62
4	1 B 1D	\$ 23931.	\$ 156729.	0.0000		63
11	1 B 3A	\$ 25873.	\$ 125035.	0.0000		64
13	1 B 3C	\$ 18696.	\$ 76797.	0.0000		65
15	2 B 1A	\$ 26298.	\$ 608288.	0.0000		66
17	2 B 1C	\$ 6788.	\$ 256103.	0.0000		67
18	2 B 1D	\$ 23692.	\$ 156889.	0.0000		68
19	2 B 2A	\$ 26297.	\$ 609130.	0.0000		69
20	2 B 2B	\$ 23572.	\$ 148664.	0.0000		70
21	2 B 3A	\$ 26296.	\$ 604854.	0.0000		71
23	2 B 3C	\$ 0.	\$ 127483.	0.0000		72
24	2 B 3D	\$ 23333.	\$ 149322.	0.0000		73
25	2 B 4A	\$ 26296.	\$ 613347.	0.0000		74
27	2 B 4C	\$ 0.	\$ 127343.	0.0000		75
28	2 B 4D	\$ 22974.	\$ 152199.	0.0000		76
45	2 B 8A	\$ 25566.	\$ 125766.	0.0000		77
46	2 B 8B	\$ 12152.	\$ 102214.	0.0000		78
47	2 B 9A	\$ 25505.	\$ 122240.	0.0000		79
49	2 B 9C	\$ 17574.	\$ 74817.	0.0000		80
50	2 B10A	\$ 25554.	\$ 130003.	0.0000		81
52	2 B10C	\$ 16078.	\$ 82415.	0.0000		82
53	3 B 1A	\$ 52597.	\$ 608288.	0.0000		83
55	3 B 1C	\$ 13645.	\$ 256103.	0.0000		84
56	3 B 1D	\$ 47623.	\$ 156889.	0.0000		85
57	3 B 2A	\$ 52595.	\$ 609130.	0.0000		86
58	3 B 2B	\$ 47503.	\$ 157043.	0.0000		87
59	3 B 3A	\$ 52595.	\$ 610070.	0.0000		88
61	3 B 3C	\$ 47264.	\$ 157762.	0.0000		89
62	3 B 4A	\$ 52595.	\$ 618563.	0.0000		90
64	3 B 4C	\$ 46905.	\$ 160639.	0.0000		91
89	3 B 7A	\$ 51439.	\$ 125766.	0.0000		92
90	3 B 7B	\$ 30848.	\$ 110593.	0.0000		93
91	3 B 8A	\$ 51378.	\$ 127456.	0.0000		94
93	3 B 8C	\$ 36270.	\$ 83258.	0.0000		95
94	3 B 9A	\$ 51427.	\$ 135219.	0.0000		96
96	3 B 9C	\$ 34774.	\$ 90855.	0.0000		97

164

RANK ORDER: BENEFIT MINUS COST						
		FISHING		PACIFIC		
SER	SALTTI	BENEFITS	C O S T	BENEFIT MINUS	COST	RO
97	3 B 10AS	\$ 76309.	\$ 54112.	\$ 7871.		1
69	3 B 5DS	\$ 73071.	\$ 91470.	\$ 7601.		2
70	3 B 5DD	\$ 73071.	\$ 139279.	\$ 7601.		3
73	3 B 5FS	\$ 76578.	\$ 99371.	\$ 7103.		4
74	3 B 5FD	\$ 76578.	\$ 147180.	\$ 7103.		5
75	3 B 5GS	\$ 76578.	\$ 99371.	\$ 7103.		6
76	3 B 5GD	\$ 76578.	\$ 147180.	\$ 7103.		7
71	3 B 5ES	\$ 75175.	\$ 99746.	\$ 6876.		8
72	3 B 5ED	\$ 75175.	\$ 147555.	\$ 6876.		9
81	3 B 6DS	\$ 67339.	\$ 131528.	\$ 6674.		10
82	3 B 6DD	\$ 67339.	\$ 179343.	\$ 6674.		11
85	3 B 6FS	\$ 70230.	\$ 100096.	\$ 6076.		12
86	3 B 6FD	\$ 70230.	\$ 147911.	\$ 6076.		13
87	3 B 6GS	\$ 70230.	\$ 100096.	\$ 6076.		14
88	3 B 6GD	\$ 70230.	\$ 147911.	\$ 6076.		15
66	3 B 5B	\$ 60699.	\$ 86545.	\$ 5989.		16
83	3 B 6ES	\$ 69315.	\$ 105235.	\$ 5928.		17
84	3 B 6ED	\$ 69315.	\$ 153050.	\$ 5928.		18
78	3 B 6B	\$ 58539.	\$ 94477.	\$ 5591.		19
67	3 B 5CS	\$ 77927.	\$ 117034.	\$ 4846.		20
68	3 B 5CD	\$ 77927.	\$ 164849.	\$ 4846.		21
79	3 B 6CS	\$ 77433.	\$ 119096.	\$ 4806.		22
80	3 B 6CD	\$ 77433.	\$ 166911.	\$ 4806.		23
92	3 B 8B	\$ 73108.	\$ 82035.	\$ 4316.		24
95	3 B 9B	\$ 72369.	\$ 39002.	\$ 4262.		25
33	2 B 5E	\$ 36620.	\$ 28236.	\$ 3495.		26
65	3 B 5A	\$ 46747.	\$ 84740.	\$ 3333.		27
77	3 B 6A	\$ 46747.	\$ 170955.	\$ 3333.		28
7	1 B 2CS	\$ 38916.	\$ 51394.	\$ 3332.		29
8	1 B 2CD	\$ 38916.	\$ 120784.	\$ 3332.		30
29	2 B 5A	\$ 34918.	\$ 28376.	\$ 3285.		31
31	2 B 5C	\$ 34918.	\$ 28539.	\$ 3285.		32
9	1 B 2DS	\$ 36904.	\$ 77926.	\$ 3175.		33
10	1 B 2DD	\$ 36904.	\$ 128782.	\$ 3175.		34
32	2 B 5D	\$ 33933.	\$ 30879.	\$ 2696.		35
39	2 B 7AS	\$ 33443.	\$ 55566.	\$ 2627.		36
40	2 B 7AD	\$ 33443.	\$ 123371.	\$ 2627.		37
5	1 B 2A	\$ 33882.	\$ 62814.	\$ 2401.		38
38	2 B 6E	\$ 23899.	\$ 62998.	\$ 1926.		39
30	2 B 5B	\$ 30084.	\$ 49869.	\$ 1884.		40
37	2 B 6D	\$ 28255.	\$ 69197.	\$ 1801.		41
34	2 B 6A	\$ 22789.	\$ 73472.	\$ 1789.		42
36	2 B 6C	\$ 22789.	\$ 70671.	\$ 1789.		43
6	1 B 2B	\$ 26984.	\$ 80327.	\$ 1645.		44
35	2 B 6B	\$ 27395.	\$ 60298.	\$ 1466.		45
54	3 B 1B	\$ 77129.	\$ 112220.	\$ 595.		46
60	3 B 3B	\$ 76874.	\$ 117551.	\$ 576.		47
63	3 B 4B	\$ 76650.	\$ 120696.	\$ 560.		48

165

		RANK ORDER: BENEFIT MINUS		COST (Cont'd)		
		FISHING		PACIFIC		
SER	SALTTI	BENEFITS	COST	BENEFIT MINUS	COST	RO
41	2 B 7BS	\$ 36867.	\$ 109193.	\$	415.	49
42	2 B 7ED	\$ 36867.	\$ 157007.	\$	415.	50
43	2 B 7CS	\$ 36867.	\$ 79015.	\$	415.	51
44	2 B 7CD	\$ 36867.	\$ 146796.	\$	415.	52
1	1 B 1A	\$ 26298.	\$ 608288.	\$	0.	53
3	1 B 1C	\$ 6857.	\$ 256100.	\$	0.	54
4	1 B 1D	\$ 23931.	\$ 156729.	\$	0.	55
11	1 B 3A	\$ 25873.	\$ 125035.	\$	0.	56
13	1 B 3C	\$ 18696.	\$ 76797.	\$	0.	57
15	2 B 1A	\$ 26298.	\$ 608288.	\$	0.	58
17	2 B 1C	\$ 6788.	\$ 256103.	\$	0.	59
18	2 B 1D	\$ 23692.	\$ 156889.	\$	0.	60
19	2 B 2A	\$ 26297.	\$ 609130.	\$	0.	61
20	2 B 2B	\$ 23572.	\$ 148664.	\$	0.	62
21	2 B 3A	\$ 26296.	\$ 604854.	\$	0.	63
24	2 B 3D	\$ 23333.	\$ 149322.	\$	0.	64
25	2 B 4A	\$ 26296.	\$ 613347.	\$	0.	65
28	2 B 4D	\$ 22974.	\$ 152199.	\$	0.	66
45	2 B 8A	\$ 25566.	\$ 125766.	\$	0.	67
46	2 B 8B	\$ 12152.	\$ 102214.	\$	0.	68
47	2 B 9A	\$ 25505.	\$ 122240.	\$	0.	69
49	2 B 9C	\$ 17574.	\$ 74817.	\$	0.	70
50	2 B10A	\$ 25554.	\$ 130003.	\$	0.	71
52	2 B10C	\$ 16078.	\$ 82415.	\$	0.	72
53	3 B 1A	\$ 52597.	\$ 608288.	\$	0.	73
55	3 B 1C	\$ 13645.	\$ 256103.	\$	0.	74
56	3 B 1D	\$ 47623.	\$ 156889.	\$	0.	75
57	3 B 2A	\$ 52595.	\$ 609130.	\$	0.	76
58	3 B 2B	\$ 47503.	\$ 157043.	\$	0.	77
59	3 B 3A	\$ 52595.	\$ 610070.	\$	0.	78
61	3 B 3C	\$ 47264.	\$ 157762.	\$	0.	79
62	3 B 4A	\$ 52595.	\$ 618563.	\$	0.	80
64	3 B 4C	\$ 46905.	\$ 160639.	\$	0.	81
89	3 B 7A	\$ 51439.	\$ 125766.	\$	0.	82
90	3 B 7B	\$ 30848.	\$ 110593.	\$	0.	83
91	3 B 8A	\$ 51378.	\$ 127456.	\$	0.	84
93	3 B 8C	\$ 36270.	\$ 83258.	\$	0.	85
94	3 B 9A	\$ 51427.	\$ 135219.	\$	0.	86
96	3 B 9C	\$ 34774.	\$ 90855.	\$	0.	87
12	1 B 3B	\$ 37073.	\$ 79668.	\$	-285.	88
48	2 B 9B	\$ 36036.	\$ 58695.	\$	-358.	89
51	2 B10B	\$ 35297.	\$ 65662.	\$	-412.	90
14	1 B 4A	\$ 39184.	\$ 78293.	\$	-1824.	91
23	2 B 3C	\$ 0.	\$ 127483.	\$	-2391.	92
27	2 B 4C	\$ 0.	\$ 127343.	\$	-2391.	93
2	1 B 1B	\$ 38650.	\$ 112181.	\$	-4179.	94
16	2 B 1B	\$ 38479.	\$ 112220.	\$	-4192.	95
22	2 B 3B	\$ 38224.	\$ 94211.	\$	-4211.	96
26	2 B 4B	\$ 38000.	\$ 97356.	\$	-4227.	97

166
all